

TO: Water Rights Section April 27, 1999
FROM: Groundwater/Hydrology Section Michael Zwart
SUBJECT: Application G-14962
Reviewer's Name

GROUNDWATER/SURFACE WATER CONSIDERATIONS

- 1. PER THE _____ Basin rules, one or more of the proposed POA's is/is not within _____ feet/mile of a surface water source (_____) and taps a groundwater source hydraulically connected to the surface water.

- 2. BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use
 - a. ___ will, or _____ have the potential for substantial interference with the nearest
 - b. ___ will not _____ surface water source, namely _____; or
 - c. will if properly conditioned, adequately protect the surface water from interference:
 - i. The permit should contain condition #(s) 7J;
 - ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. ___ The permit should be conditioned as indicated in item 4 below; or
 - d. ___ will, with well reconstruction, adequately protect the surface from substantial interference.

GROUNDWATER AVAILABILITY CONSIDERATIONS

- 3. BASED UPON available data, I have determined that groundwater for the proposed use
 - a. ___ will, or _____ likely be available in the amounts requested without injury to prior rights
 - b. ___ will not _____ and/or within the capacity of the resource; or
 - c. will if properly conditioned, avoid injury to existing rights or to the groundwater resource:
 - i. The permit should contain condition #(s) 7B;
 - ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. ___ The permit should be conditioned as indicated in item 4 below; or

- 4.
 - a. ___ THE PERMIT should allow groundwater production from no deeper than _____ ft. below land surface;
 - b. ___ The permit should allow groundwater production from no shallower than _____ ft. below land surface;
 - c. ___ The permit should allow groundwater production only from the _____ groundwater reservoir between approximately _____ ft. and _____ ft. below land surface;
 - d. ___ Well reconstruction is necessary to accomplish one or more of the above conditions.
 - e. ___ One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS: _____

(Well Construction Considerations on Reverse Side)

WELL CONSTRUCTION (If more than one well doesn't meet standards, attach an additional sheet.)

- 5. THE WELL which is the point of appropriation for this application does not meet current well construction standards based upon:
 - a. ___ review of the well log;
 - b. ___ field inspection by _____;
 - c. ___ report of CWRE _____;
 - d. ___ other: (specify) _____

- 6. THE WELL construction deficiency:
 - a. ___ constitutes a health threat under Division 200 rules;
 - b. ___ commingles water from more than one groundwater reservoir;
 - c. ___ permits the loss of artesian head;
 - d. ___ permits the de-watering of one or more groundwater reservoirs;
 - e. ___ other: (specify) _____

- 7. THE WELL construction deficiency is described as follows: _____

- 8. THE WELL
 - a. ___ was, or constructed according to the standards in effect at the time of
 - b. ___ was not original construction or most recent modification.
 - c. ___ I don't know if it met standards at the time of construction.

RECOMMENDATION:

- A. ___ I recommend including the following condition in the permit:
 "No water may be appropriated under terms of this permit until the well(s) has been repaired to conform to current well construction standards and proof of such repair is filed with the Enforcement Section of the Water Resources Department."
- B. ___ I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Enforcement Section of the Water Resources Department.
- C. ___ REFER this review to Enforcement Section for concurrence.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

I concur in G/H's recommendation A or B above relating to conditioning or withholding the permit
_____, 199__
(Signature)

I do not concur in G/H's recommendation A or B above relating to conditioning or withholding the permit for the following reasons: _____

_____, 199__
(Signature)

**OREGON WATER RESOURCES DEPARTMENT
INTEROFFICE MEMO**

To: Groundwater files Date: April 27, 1999

From: Michael J. Zwart

Subject: Application Review: G-14962, Fred D. Wallender

This application proposes to use about 4.09 cfs from two wells (UNIO 50174 (#2 on log) and UNIO 2599 (#3 on log)) for primary irrigation of 152.5 acres and supplemental irrigation of 174.7 acres. Well number 1 on the application map does not jibe with either of the logs, however. The wells are 350 and 375 feet deep, respectively, and produce water from a weakly semiconfined to locally unconfined aquifer developed in sand and gravel. The wells are both gravel packed from a depth of 20 feet to the respective bottoms. Well #3 was previously reviewed as part of file G-14236. That review is incorporated by reference here. Based on the well logs and the numbering in the earlier file, I believe that well #1 on the application map should be changed to well #3 to be consistent.

Well #3 is about 2800 feet from Ladd Creek. Well #2 is about 1500 feet from Ladd Creek. The aquifer penetrated is likely in hydraulic connection with the creek. There is no potential for substantial interference with the creek, based only on the distance to it.

I recommend permit conditions 7B and 7J.