

MEMO

December 20, 2000

FROM GW: Michael Zwart
(Reviewer's Name)

☐ Yes☒ No☐ Yes☒ No☒

FLOW REDUCTION: (To be filled out only if Preponderance of Evidence box is not checked)

[illegible]

**OREGON WATER RESOURCES DEPARTMENT
INTEROFFICE MEMO**

To: Ground Water Files

Date: December 20, 2000

From: Michael J. Zwart

Subject: Application Review: G-15257, Janet T. Haddock

This application proposes to use about 28.1 gpm from one well for primary irrigation of 5.0 acres. The well (UMAT 140) is completed to a depth of 235 feet and penetrates a confined to semiconfined aquifer developed in basalt of the Columbia River Basalt Group. The static water level is reported as 3 feet and the first water-bearing zone is reported as 95 feet below land surface.

The well is about 600 feet from Stewart Creek. The aquifer is not likely in hydraulic connection with the nearest reach of the creek, however, it may be at a more distant downstream reach. There is no potential for substantial interference, based on the aquifer penetrated, the head relationship and the distance at which hydraulic connection is likely.

I recommend permit condition 7B.

The City of Pilot Rock may also be able to comment on the proposed use.

TO: Water Rights Section

Dec. 20, 2000

FROM: Groundwater/Hydrology Section Michael Zwart
Reviewer's Name

SUBJECT: Application G- 15257

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) 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
 - 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)