

Water Right Conditions
Tracking Slip

Groundwater/Hydrology Section

FILE ## G 14774

ROUTED TO: WATER RIGHTS

TOWNSHIP/

RANGE-SECTION: 40S/08W-12

CONDITIONS ATTACHED? Yes No

REMARKS OR FURTHER INSTRUCTIONS:

POTENTIAL FOR SUBSTANTIAL

INTERFERENCE

Reviewer: Doug Woodcock

TO: Water Rights Section

July 7, 1998

FROM: Groundwater/Hydrology Section Doug Woodcock
Reviewer's Name

SUBJECT: Application G- 14774

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 ALTHOUSE CR; or
 - c. _____ will if properly conditioned, adequately protect the surface water from interference:
 - i. _____ The permit should contain condition #(s) _____;
 - 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: WELLS ARE WITHIN 1/4 MI OF ALTHOUSE CR AND
TAP UNCONFINED G.W.

(Well Construction Considerations on Reverse Side)

Water Resources Department Memorandum

To: Groundwater/Hydrology

July 07, 1998

From: Doug Woodcock

Subject: GW Application G-14774

Applicants seek: 582 gpm (291 from ea.well)

From: one culvert well and one sump well.

Proposed Use: frost protection and vineyard irrigation

Quad Name: Takilma

Well 1 (Not Constructed) 40S/08-12 SE of the NE
300 ft N and 650 ft W of the E1/4 cor. Sec 12

Josephine County

Well 1 is 100 ft from Althouse Cr

Well elevation at proposed site is ~ 1449 ft
Althouse Cr is 3 ft lower than well (from application)
Proposed well depth is 12 ft with an estimated depth to water of 5 ft

Well 2 (Not Constructed) 40S/08-12 SE of the NE
620 ft N and 115 ft W of the E1/4 cor. Sec 12

Well 2 is 650 ft from Althouse Cr

Well elevation at proposed site is ~ 1450 ft
Althouse Cr is 7 ft lower than well 2 (from application)

Proposed sump depth is 15 ft with an estimated depth to water of 5 ft

Comments:

The target aquifer is the basin fill sediments of the Illinois Valley. The proposed wells will be shallow and will encounter ground water within ¼ mile of Althouse Creek. Division 09 makes the presumption of hydraulic connection when the wells are within ¼ mile of surface water.