Water Resources Department

MEMO June 29, 2000

TO Application G- 15161

FROM GW: Michael Zwart
(Reviewer's Name)

SUBJECT Scenic Waterway Interference Evaluation

☐ Yes
☑ No — The source of appropriation is within or above a Scenic Waterway.

☐ Yes
☑ No — Use the Scenic Waterway condition (Condition 7J).

PREPONDERANCE OF EVIDENCE FINDING: (Check box only if statement is true)

☑ At this time the Department is unable to find that there is a preponderance of evidence that the proposed use of ground water will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife.

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

Exercise of this permit is calculated to reduce monthly flows in _____ Scenic Waterway by the following amounts expressed as a proportion of the consumptive use by which surface water flow is reduced.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

Application No. G15161
Permit No. -

TO: Water Rights Section

June 29, [redacted] 2000

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

SUBJECT: Application G-_____

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)

Application No. G 15161

Permit No. .

OREGON WATER RESOURCES DEPARTMENT
INTEROFFICE MEMO

To: File Date: June 29, 2000

From: Michael J. Zwart

Subject: Application Review: G-15161, James M. and Loretta Ellett

No Acct
CWRE
MJZ, 01/30

This application proposes to use about 0.1701 cfs from one well (very likely WASC 3179) for primary irrigation of 5.01 acres and supplemental irrigation of 8.6 acres. The well is completed to a depth of 205 feet and penetrates a semiconfined to confined aquifer developed in the Dalles Formation (sandstone and interbedded gravels and claystone) below a depth of 160 feet. The static water level is 103 feet below land surface.

The well is about 1000 feet from Chenoweth Creek. The aquifer penetrated may be in hydraulic connection with the nearby reach of the creek, based on the elevation of the stream bed being similar to that of the water-bearing zone of the well. However, the occurrence of landslide deposits in the area casts some doubt on the conclusion that the local confining layer has been breached by the creek. Therefore, it is tentatively concluded that there is no potential for substantial interference with surface water, based on the semiconfined to confined aquifer penetrated and the head relationship. It is possible that additional information may result in this finding being superseded.

I recommend permit condition 7B.

Application No. G15161
Permit No.

Analysis for Application: G15161

Location: 2.00 N-12.00 E-36-swne

Uses: DO 0.000 (P) , IR 4.050 (P) , IR 2.600 (S)

Basins

BASIN_NUM	BASIN_NAME
4	Hood

Records Found: 1

WaterMaster Districts

WATERDIST	REGION
3	NC

Records Found: 1

WAB

GAGE	BASIN	WA_	WAB_SHORT	BAS_WAB
30410533	4	23000000000000000000000000000000	2300	42300000000000000000000000000000

Records Found: 1

County

COUNTY	FIPS
Wasco	41065

Records Found: 1

Groundwater Limited Records Found: 0

Location: 2.00 N-12.00 E-36-nwne

Uses: IR 6.000 (S) , IR 0.960 (P)

Basins

BASIN_NUM	BASIN_NAME
4	Hood

Records Found: 1

WaterMaster Districts

WATERDIST	REGION
3	NC

Records Found: 1

WAB

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