

Water Resources Department

MEMO

May 25, ~~2001~~

TO Application G-15466

FROM GW: Michael Zwart
(Reviewer's Name)

SUBJECT Scenic Waterway Interference Evaluation

Yes

The source of appropriation is within or above a Scenic Waterway.

No

Yes

Use the Scenic Waterway condition (Condition 7J).

No

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. 915466
Permit No.

TO: Water Rights Section

May 25, 2001

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

SUBJECT: Application G- 15466

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) 713;
 - 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) _____;
 - 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 120 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. 15466
Permit No.

**OREGON WATER RESOURCES DEPARTMENT
INTEROFFICE MEMO**

To: Ground Water files

Date: May 25, 2001

From: Michael J. Zwart

Subject: Application Review: G-15466, Virgil Ellett

This application proposes to use about 291 gpm from one proposed well for supplemental irrigation of 38.8 acres. The well construction information is lacking, but the applicant is seeking advice to avoid hydraulic connection. Based on a review of nearby well logs, most wells produce from confined to semiconfined gravel beds within the Dalles Formation and have moderately deep static water levels.

The proposed well is located about 400 feet from Brown Creek. If the well is constructed so as to produce ground water from no shallower than 120 feet below land surface, it is unlikely that the deeper water-bearing zones would be in hydraulic connection with the nearby reach of the creek. There is no potential for substantial interference, based on the likely nature of the aquifer targeted by the application.

I recommend permit condition

Application No. *G 15466*
Permit No.

Analysis for Application: G15466

Location: 1.00 N-12.00 E-1-nws

Uses: IR 16.200 (P)

Basins

BASIN_NUM	BASIN_NAME
4	Hood

Records Found: 1

WaterMaster Districts

WATERDIST	REGION
3	NC

Records Found: 1

WAB

BASIN	WID	LINK_1
4	30410533	Water Availability: 50% 80%

Records Found: 1

County

COUNTY	FIPS
Wasco	41065

Records Found: 1

Groundwater Restricted Records Found: 0

Divison 33 Area

DIV33
In a Div33 area

Records Found: 1

Rule 4D

RULE4D
In a Rule4D Area

Records Found: 1

303D Streams Records Found: 0

303D Lakes Records Found: 0

Location: 1.00 N-12.00 E-1-nesw

Uses: IR 0.300 (P)

Basins

BASIN_NUM	BASIN_NAME
4	Hood

Records Found: 1

WaterMaster Districts

WATERDIST	REGION
3	NC

Records Found: 1

WAB

BASIN	WID	LINK_1
4	30410533	Water Availability: 50% 80%

Records Found: 1

County

COUNTY	FIPS
Wasco	41065

Records Found: 1

Groundwater Restricted Records Found: 0

Divison 33 Area

DIV33
In a Div33 area

Records Found: 1

Rule 4D

RULE4D
In a Rule4D Area

Records Found: 1

303D Streams Records Found: 0

303D Lakes Records Found: 0

Location: 1.00 N-12.00 E-1-swnw

Uses: IR 22.300 (P)

Basins

BASIN_NUM	BASIN_NAME
4	Hood

Records Found: 1

WaterMaster Districts

WATERDIST	REGION
3	NC

Records Found: 1

WAB

BASIN	WID	LINK_1
4	30410533	Water Availability: 50% 80%

Records Found: 1

County

COUNTY	FIPS
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RULE4D
In a Rule4D Area

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OREGON WATER RESOURCES DEPARTMENT
ADMINISTRATIVE RULES
CHAPTER 690
DIVISION 504
HOOD BASIN PROGRAM

Classifications

690-504-001

(1) The maximum economic development of this state, the attainment of the highest and best use of the waters of the Hood Basin and the attainment of an integrated and coordinated program for the benefit of the state as a whole will be furthered through utilization of the aforementioned waters only for domestic, livestock, municipal, irrigation, power development, industrial, mining, recreation, wildlife, fish life, pollution abatement uses, and the waters of the Hood Basin are hereby so classified with the following exceptions:

(a) The maximum economic development of this state, the attainment of the highest and best use of the waters of Dog River above its point of diversion at Water Resources Department - U.S. Geological Survey Gage 1134, as shown on State Water Resources Board Map 4.6, and the attainment of an integrated and coordinated program for the benefit of the state as a whole will be furthered through utilization of the aforementioned waters only for municipal use and the waters of Dog River above its point of diversion at Water Resources Department - U.S. Geological Survey Gage 1134, as shown on State Water Resources Board Map 4.6, are hereby so classified.

(b) The maximum economic development of this state and the attainment of the highest and best use of the waters of the natural lakes of the Hood Basin, and the attainment of an integrated and coordinated program for the benefit of the state as a whole will be furthered through utilization of the aforementioned waters only for domestic, livestock, irrigation of lawn or noncommercial garden not to exceed one-half acre in area, power development not to exceed 7 1/2 theoretical horsepower, recreation, wildlife, and fish life uses and the waters of natural lakes of the basin are hereby so classified.

(2) Applications for the use of these specified waters of the Hood Basin shall not be accepted by any state agency for any other use and the granting of applications for such other uses is declared to be prejudicial to the public interest and the granting of applications for such other uses would be contrary to the integrated and coordinated program for the use and control of the water resources of the state.

(3) Structures or works for the utilization of the waters in accordance with the aforementioned classifications are also declared to be prejudicial to the public interest unless planned, constructed, and operated in conformity with the applicable provisions of ORS 536.310 and any such structures or works are further declared to be prejudicial to the public interest which do not give cognizance to the multiple-purpose concept.

Minimum Perennial Streamflows

690-504-002

Adopted March 30, 1966. Amended January 10, 1980; April 4, 1981 and February 26, 1985.

(1) For the purpose of maintaining a minimum perennial streamflow sufficient to support aquatic life, no appropriations of water except for domestic, livestock or municipal uses or waters to be legally stored or legally released from storage shall be made or granted by a state agency or public corporation of the state for the waters of:

(a) Hood River above Powerdale Diversion Dam for flows below 45 cubic feet per second measured at said dam and maintained to the mouth of Hood River.

(b) West Fork Hood River and its tributaries above U.S. Geological Survey - Water Resources Department Gage 1185 one-half mile above the mouth for flows of below 100 cubic feet per second measured at said gage and maintained to the mouth of West Fork Hood River.

(c) Middle Fork Hood River and its tributaries above its mouth for flows of below 10 cubic feet per second measured at said point.

(2) (a) To support aquatic life and minimize pollution, in accordance with Section 3, Chapter 796, Oregon Laws, 1983, no appropriation of water shall be made or granted by any state agency or public corporation of the state for waters of the streams listed in Table 1 and tributaries when flows are below the specified levels. This limitation shall not apply to:

(A) Human and livestock consumption

(B) Municipal use

(C) Water legally released from storage

(D) Irrigation use from Green Point and Dead Point Creeks and tributaries (applicable to flow on the mainstem Hood River priority 11-3-83 only)

(E) Water legally stored on Mill or Fifteenmile Creek and tributaries.

(b) Attainment of the specified flow levels on most streams during some portions of the year will require development of water storage or implementation of other measures.

Water Quality

690-504-003

Rights to use of water for industrial or mining purposes granted by any state agency shall be issued only on condition that any effluents or return flows from such uses shall not interfere with other beneficial uses of water.

Note: The Hood Basin is delineated on State Water Resources Board Map, File 4.6, available from the Water Resources Department.