

Permit Extension Ground Water Review

Date: October 18, 2004

To: Doug Woodcock, Ground Water Section Manager

From: Lisa Juul, Permit Extension Review

Subject: Ground Water Review Needed for File #G- 14773 / Permit #G- 13633

The above referenced permit is currently being reviewed for an extension of time. Before I can determine whether or not an extension of time should be granted, however, a Ground Water review for this file is necessary due to the following:

NOTE: Original Division 9 review completed by: Michael Zwart

- No Division 9 Ground Water Review Done.... *please see below*
- Located within a **Critical** Ground Water Area
- Located within a Ground Water **Limited** Area
- Located within a Ground Water **Study** Area
- 5-Year Limited Permit

Other: Please See Questions below.

MJZ, 10/20/04

For Ground Water / Hydrology Staff Use:

YES NO

Please complete a Div. 9 and Scenic Waterway (SWW) Review for this file. Due to the early priority date associated with this permit, no prior Div. 9 or SWW review was ever done.

Please answer the following questions. If necessary, attach an additional sheet.

1. Should any additional conditions be added to this permit? No*
2. Should the extension of time request be further conditioned or **DENIED** due to ground water supply concerns? *See memo to file.
3. Should the Department establish a new reference level for water level declines due to the failure of permittee to submit annual measurements? No
4. Other issues or concerns? No

**OREGON WATER RESOURCES DEPARTMENT
INTEROFFICE MEMO**

To: File/Lisa Juul

Date: October 20, 2004

From: Mike Zwart

Subject: Review of File G-14773 for Permit Extension

This permit (G-13633) includes a water-level measurement condition (7E) which generally relaxes the measurement requirement once a reference level is established. The permittee has provided three measurements for the well, with the last one establishing the reference level. This was 321.5 feet below land surface on March 15, 2001. No subsequent measurements were required under this condition, but the condition language allows for the Department (Director) to require additional measurements.

Based on declining water levels in this and other nearby basalt wells, I recommend that the permittee be required to resume measurements at the permitted well in March 2005. Measurements should continue for seven consecutive years. I have spoken with Ken Lite, who has been monitoring water levels at wells in the Mosier area for a number of years, and he concurs with this recommendation.

**OREGON WATER RESOURCES DEPARTMENT
INTEROFFICE MEMO**

To: Groundwater files Date: July 10, 1998

From: Michael J. Zwart

Subject: Application Review: G-14773, Rocky Prairie Farms, Mark J. Mazeski

This application proposes to use about 0.2625 cfs from one well (WASC 2750, deepened WASC 4115) for irrigation of 21.0 acres. The well is constructed to a depth of 403 feet and penetrates a confined to semi-confined aquifer developed in basalt of the Columbia River Basalt Group.

The well is about 800 feet from an unnamed intermittent tributary of Rock Creek. It is concluded that there is no potential for substantial interference with the creek. This is based on the aquifer penetrated.

I recommend permit conditions 7B and 7E.

TO: Water Rights Section July 10 1998.
FROM: Groundwater/Hydrology Section Michael Zwart
SUBJECT: Application G-14773
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) 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) 7E;
 - 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)