

State of Washington
Department of Ecology
Yakima, Washington

IN THE MATTER OF GROUND WATER)
APPLICATION G4-31258 FOR A PERMIT TO) PRELIMINARY PERMIT
APPROPRIATE GROUND WATERS FOR AQUIFER)
TESTING PURPOSES ONLY FOR)
PLUM CREEK TIMBER COMPANY, LP)

Re: PRELIMINARY PERMIT to drill and test a well under application
No. G4-31258

This letter is in response to your letter of April 24, 1992, requesting a PRELIMINARY PERMIT to proceed with drilling and testing a well under Application No. G4-31258 on behalf of Plum Creek Timber Company, L.P. This application requested the withdrawal of 600 gallons per minute for aquifer testing purposes only. The well is to be located within the NE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 14, T. 20 N., R. 14 E.W.M., of Kittitas County.

As your request is consistent with State Water Code Sections 90.03.250 through 90.03.290 RCW, and 90.44.060 RCW, you are hereby granted a PRELIMINARY PERMIT to proceed with drilling and testing of the well. This letter serves as a PRELIMINARY PERMIT subject to existing rights and the following conditions:

1. The PRELIMINARY PERMIT will remain in effect for one hundred fifty (150) days from date of issuance unless sooner revoked by the Department of Ecology.
2. All water wells constructed within the state shall meet the minimum standards for construction and maintenance as provided under RCW 18.104 (Washington Water Well Construction Act of 1971) and Chapter 173-160 WAC (Minimum Standards for Construction and Maintenance of Water Wells).
3. An access port, as described in the Department of Ecology's Ground Water Bulletin No. 1 (ECY 040-1-3, Rev. 12/90), shall be installed and maintained.
4. The applicant shall be required to notify the Department of Ecology in writing five working days in advance, prior to beginning the aquifer test. Verbal approval from the Department shall be required prior to any pump test being conducted. Data acquired during drilling and pump testing shall be tabulated and provided to the Department of Ecology within 30 days of completion.
5. A qualified hydrogeologist or engineer (water resource) shall oversee well testing and provide analysis. The test shall be conducted by pumping at a constant rate for a minimum of 24 hours, with stabilization occurring for at least the last 4 of those hours. Stabilization is defined as a drop in water level of less than or equal to 0.1 feet per hour. Drawdown and recovery measurements must be made in the same manner and at the same frequency as described in Water Resource Information System (WRIS) Information Bulletin No. 30. Once the pump has been turned off measurements shall be taken until 95% recovery is achieved. All procedures shall conform with Bulletin No. 30 and the following:
 - a. In order to facilitate accurate recovery data collection, the system shall incorporate backflow check-valve(s) that will prevent water within the riser pipe from flowing back into well when the pump is shut off.

- b. The pumping rate shall be determined by a step-drawdown test and the well left to recover to near static water levels prior to initiation of the 24-aquifer test.
 - c. Water level measurements from one or more observation wells shall be taken during pumping and recovery. In order to provide meaningful data, all observation wells shall be completed in the same aquifer and within a significant distance (no greater than 500 feet) of the pumping well and be located between the pumped well and the Cle Elum River. Frequency of water level measurements in observation wells shall conform with guidelines set forth in Bulletin No. 30.
6. When aquifer testing is completed, the data shall be analyzed and all pertinent information compiled into a completion report. This completion report shall be submitted to the Department of Ecology, Central Regional Office, ATTN: Tom Mackie and shall include or address the following:
- a. A well construction report (well log) for the pumping well and all monitoring wells.
 - b. Distance, to the nearest foot, from pumping well to all observation wells and a map indicating all well locations.
 - c. Land surface elevations for all measuring points.
 - d. Total well depths for all wells, as well as depths to the top and bottom of screen interval and depth to pump intake on the pumping well.
 - e. Aquifer transmissivity.
 - f. Aquifer storage coefficient or specific yield.
 - g. The effect of the proposed ground water withdrawal on existing ground water and surface water users. This shall include the potential effect of the withdrawal on local wetlands, springs, streams and lakes.
7. In addition to the above, a complete water well report for the well shall be submitted by the driller to the Department of Ecology within thirty (30) days of completion.
8. All expenses, risks, and liabilities incurred during testing of this well shall be borne by the applicant. If senior water right holders are adversely affected during any portion of the aquifer test, the test shall be terminated.
9. This PRELIMINARY PERMIT for testing does not constitute approval for use. No beneficial use will be allowed from this well until such time as specific approval is given for such use.

You have the right to obtain review of this order. Request for review must be made, within thirty (30) days of receipt of this order, to the Washington Pollution Control Hearings Board, PO Box 40903, Olympia, Washington 98504-0903. Concurrently, a copy of the request must be sent to the Department of Ecology, PO Box 47600, Olympia, Washington 98504-7600. These procedures are consistent with the provisions of Chapter 43.21B RCW and the rules and regulations adopted thereunder.

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Should you have any questions regarding this PRELIMINARY PERMIT please contact Tom Mackie at (509) 575-2800.

Signed at Yakima, Washington this 3rd day of September 1992.


Doug Clausing, Section Manager
Water Resources Program
Central Regional Office
Department of Ecology

ENGINEERING DATA
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BEFORE THE
DEPARTMENT OF ECOLOGY
STATE OF WASHINGTON

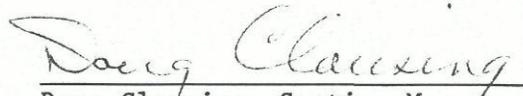
IN THE MATTER OF APPLICATION)	FINDINGS OF FACT
NUMBER G4-31258 FOR PERMIT TO)	AND ORDER
APPROPRIATE PUBLIC WATERS)	Docket No. DE 92WR-C441

Upon review of the Examiner's report, I find that all facts relevant and material to the subject application have been thoroughly investigated. Furthermore, in accordance with the Examiner's conclusions and recommendations, I find that a PRELIMINARY PERMIT may issue under this request.

IT IS ORDERED that a PRELIMINARY PERMIT issue under Application Number G4-31258 subject to the provisions set forth in the PRELIMINARY PERMIT.

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Signed at Yakima, Washington this 3rd day of September 1992.


Doug Clausing, Section Manager
Water Resources Program
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