

STATE OF OREGON

COUNTY OF KLAMATH

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

HERALD & NEWS  
PO BOX 788  
KLAMATH FALLS, OR 97601

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-16666

SOURCE OF WATER: PRODUCTION WELL 1 (KLAM 55157) IN KLAMATH RIVER BASIN

PURPOSE OR USE: INDUSTRIAL USE (GEO-THERMAL HEATING & COOLING)

MAXIMUM RATE: 0.33 CUBIC FOOT PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: MAY 10, 2006

WELL LOCATIONS:

PRODUCTION WELL 1 (KLAM 55157): NW  $\frac{1}{4}$  NW  $\frac{1}{4}$ , SECTION 34, T38S, R9E, W.M.; SOUTH 5 DEGREES 30 MINUTES 29 SECONDS EAST, 707 FEET FROM NW CORNER, SECTION 34

INJECTION WELL: NW  $\frac{1}{4}$  NW  $\frac{1}{4}$ , SECTION 34, T38S, R9E, W.M.; SOUTH 20 DEGREES 57 MINUTES 36 SECONDS EAST, 1212 FEET FROM NW CORNER, SECTION 34

THE PLACE OF USE IS LOCATED AS FOLLOWS:

NW  $\frac{1}{4}$  NW  $\frac{1}{4}$   
SECTION 34  
TOWNSHIP 38 SOUTH, RANGE 9 EAST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each well. The permittee shall maintain the meters or measuring devices in good working order.
- B. The permittee shall allow the watermaster access to the meters or measuring devices; provided however, where the meters or

measuring devices is located within a private structure, the watermaster shall request access upon reasonable notice.

- C. The Director may require the permittee to keep and maintain a record of the amount (volume) of water used and may require the permittee to report water use on a periodic schedule as established by the Director. In addition, the Director may require the permittee to report general water use information, the periods of water use and the place and nature of use of water under the permit. The Director may provide an opportunity for the permittee to submit alternative reporting procedures for review and approval.

Use of water under authority of this permit may be regulated if analysis of data available after the permit is issued discloses that the appropriation 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 in effect as of the priority date of the right or as those quantities may be subsequently reduced.

Prior to use of water under this permit, the permit holder must register the injection activity with the Oregon Department of Environmental Quality's Underground Injection Control (UIC) Program. At the time of permit issuance, the program coordinator is Barbara Priest, who can be contacted at 811 SW 6th Ave, Portland OR 97204, or 503-229-5945.

The permit holder shall inject the spent low-temperature geothermal effluent into an approved low-temperature geothermal injection well. Prior to any injection, the permit holder shall submit a pump test of the injection well and an injection plan, in accordance with the Department's Division 230 rules, to the Water Resources Department.

#### **STANDARD CONDITIONS**

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may not be valid, unless the Department authorizes the change in writing.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

Where two or more water users agree among themselves as to the manner of rotation in the use of water and such agreement is placed in writing and filed by such water users with the watermaster, and such rotation system does not infringe upon such prior rights of any water user not a party to such rotation plan, the watermaster shall distribute the water according to such agreement.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

Completion of construction and complete application of the water to the use shall be made on or before October 1, 2012. If the water is not completely applied before this date, and the permittee wishes to continue development under the permit, the permittee must submit an application for extension of time, which may be approved based upon the merit of the application.

Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued April 24, 2008



Phillip C. Ward, Director  
Water Resources Department