STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

15 West Yakima Avenue, Suite 200 • Yakima, Washington 98902-3452 • (509) 575-2490

August 28, 2001

City of Goldendale
PO Box 69
Goldendale WA 98620-0069

**Re: Emergency Drought Permit No. G4-34528**

In accordance with the provisions of RCW 43.83B.405, on March 14, 2001, it was ordered and determined by the Director of the Department of Ecology that the State of Washington is under drought conditions. In accordance with the provisions of WAC 176-166-060, the Department of Ecology is under the terms of this Order, issuing an EMERGENCY DROUGHT PERMIT. The intent of this authorization is to alleviate hardships and reduce the burdens on water users arising from the drought conditions.

**THIS AUTHORIZATION SHALL IN NO MANNER BE CONSTRUED TO GUARANTEE OR IMPLY THAT A FINAL (REGULAR) PERMIT WILL ISSUE FOR THE FUTURE USE OF THE WATER WELL HEREIN AUTHORIZED EITHER AS A NEW ALLOCATION OR AS A CHANGE. IT IS RECOGNIZED THAT BETTER UNDERSTANDING OF THE AQUIFER PERAMETER MAY RESULT FROM DATA GATHERED DURING THE TEMPORARY DROUGHT AUTHORIZATION.**

The Department of Ecology is attempting to meet the essential needs of water user's faced with 75% or less of their usual water supply due to impacts of the drought.

The City of Goldendale currently obtains its municipal supply under adjudicated water rights from a series of springs in the Simcoe Mountains, from Bloodgood Springs and from two wells. The City has recognized for many years its vulnerability to both drought and contamination because of their reliance on surface water sources.

This year the City of Goldendale is receiving approximately 30% of normal yield from its municipal water sources on Simcoe Mountain. The City is enforcing stringent water use restrictions on its patrons. They are increasing filter capacity at Bloodgood Spring to meet drinking water standards. The City has also acquired and sought change approvals under other existing water rights but there is inadequate time to establish the infrastructure to exercise those rights.

The City has been exploring ground water availability at a site near their chlorination plant in the hope of demonstrating adequate foundation to support a change of existing ground water rights to that location. Water has been found available in the Wanapum Basalt Formation. Other existing rights in the vicinity appear to be restricted to the shallower Simcoe Basalt or Ellensburg Sediment formations. There are pending applications for permit in the vicinity but since they do not

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represent current authorization to use water, they will not be considered as requiring protection during this drought period.

This authorization is conditioned by the following provisions and limitations:

This Temporary Drought authorization will have a priority date of August 22, 2001.

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).

This authorization shall in no way excuse the permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations including those administered by other programs of the Department of Ecology and those administered by local and state health departments for public water supplies (2 or more service units).

Health approval is required prior to connecting a new source into a public water system.

The quantity of water to be withdrawn is limited to 700 gpm and 377 acre-feet for continuous municipal supply. These quantities are based upon the instantaneous quantity requested on the application and the volume that could be achieved for the remainder of the year. This quantity, in combination with all other sources at the end of the year, shall not exceed 1363 acre-feet.

Water is to be used for municipal supply from August 25 to December 31, 2001. The place of use is described as follows: the area served by the City of Goldendale situated within T. 4 N., R. 16 E.W.M.

The source is the exploratory well drilled and sealed into the Wanapum Basalts near the city's chlorinating station. The well is located within the SE¼ NW¼ Section 21, T. 5 N., R. 16 E.W.M.

The well is 1013 feet deep as of August 20, 2001 and may be deepened to the bottom of the Wanapum formation. The well shall terminate at or above the top of the Sentinel Bluffs basalt flow of the Grande Ronde Formation.

Stratigraphic determination shall be guided by the site geologist or hydrogeologist. Collection of drill cutting chip samples every 10 feet and at significant changes in lithology is required. The depth each sample is taken from shall be recorded with the sample. Gross sample size should be large enough to provide a net minimum of 16 ounces of dry, clean, washed basalt chips from each sample. Samples from critical intervals for stratigraphic identification, as determined by a geologist or hydrogeologist, shall be selected from the total number of samples and be submitted for X-Ray Florescence Analysis to the GeoAnalytical Laboratory, Department of Geology, Washington State University, Pullman, WA 99164-2812, attention: Dianne Johnson (509) 335-1626. Raw split samples from the critical intervals and analytical results shall be submitted to Ecology.

Installation of an airline and an access port for water level measurement is required.

A suitable flow meter approved by the Department of Ecology shall be installed and maintained in accordance with WAC 508-64-020 through WAC 508-64-040. (Installation, operation and maintenance requirements attached hereto).

Whenever water is being diverted, weekly (every week) readings of the flow meter shall be recorded and maintained by the permittee. These readings shall be documented by time, date, withdrawal rate, and the person conducting the measurements. Copies of these records shall be submitted to the Department of Ecology at the end of the 2001 irrigation season.

Withdrawal of water under this right may be limited or otherwise regulated in favor of senior rights.

Department of Ecology personnel, upon presentation of proper credentials, shall have access at reasonable times to the records of water use that are kept to meet the above conditions, and to inspect at reasonable times any measuring device used to meet the above conditions.

This drought emergency authorization expires on December 31, 2001.

This Order may be appealed pursuant to RCW Chapter 43.21B. The person to whom this Order is issued must file an appeal with the Pollution Control Hearings Board **within thirty (30) days of receipt of this Order**. Send the appeal to: Pollution Control Hearings Board, P.O. Box 40903, Olympia, Washington 98504-0903. At the same time, a copy of the appeal **must** be sent to: Department of Ecology, Fiscal Office, P.O. Box 47615, Olympia, Washington 98504-7615. All others receiving notice of this Order must file an appeal with the Pollution Control Hearings Board **within thirty (30) days of the date the Order was mailed** in the same manner described above.

Sincerely,

Derek I. Sandison, Acting Section Manager
Water Resources Program

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Enclosures: Flow Meter Requirements

cc: Yakama Nation
Dan Sander, Department of Health
Tim Flynn, Associated Earth Sciences

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