

Exhibit No. _____ (DMP-10)
Docket No. UW-060343
Witness: Derek M. Pell

**BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION
COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

Complainant,

v.

ILIAD WATER SERVICE, INC.,

Respondent.

DOCKET NO. UW-060343

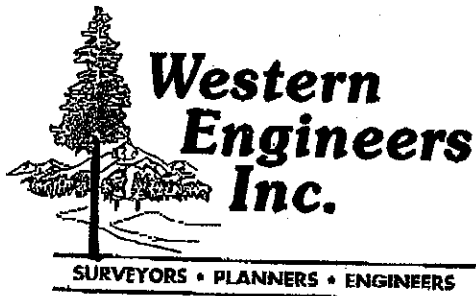
**EXHIBIT TO
RESPONSE TESTIMONY OF**

**DEREK M. PELL
Assistant Manager, NW Office of Drinking Water
Washington State Department of Health**

**ON BEHALF OF STAFF OF
WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION**

*Letter dated May 23, 2001 from Western Engineers, Inc.
(John C. McDonnell, P.E.) to Derek M. Pell, DOH*

October 4, 2006



13000 Highway 99 South • Everett, Washington 98204
(425) 356-2700 FAX (425) 356-2708

May 23, 2001

Mr. Derrick Pell, PE
Washington Department of Health
Northwest Drinking Water Operations
20435 72nd Avenue S., Suite 200, K17-12
Kent, WA. 98032-2358

Re.: Chlorination System Design for Alder Lake, ID # 26995 H

Dear Mr. Pell,

Please find the expected Chlorine Disinfection design documents for the subject system, which has experienced low water problems as a result of recent low winter rainfall conditions. As we discussed in our last conversation a chlorine injection system has been designed to address the concern for potential surface water contamination. Even as we provide this report and plan, there have as yet been no occurrences of bad bacterial samples. The chlorine design is provided strictly in response to the DOH mandate.

As you may have expected, the decision was made to provide a dedicated force main from the wellhead area directly to the Storage Tank. Chlorine solution will be injected into the raw water at the well house. The velocity of flow and the required length of Force Main provide ample Contact time to achieve the required disinfection. The amount of chlorine consumption to chemical oxidation has been estimated. It appears that only low concentrations of chlorine will suffice to assure Public safety. Even so, the metering pump is sized with sufficient power to increase the flow of chlorine should it be necessary to maintain additional residual as the system becomes operational.

Please call if you have any questions about this report.

Sincerely


John C. McDonnell, PE.

Cc. David Dorland, Iliad, Inc.

RECEIVED

MAY 30 2001

NW DRINKING WATER