

Exhibit No. ____ (DMP-11)

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 June 27, 2001 from DOH to Derek Dorland

October 4, 2006



STATE OF WASHINGTON

DEPARTMENT OF HEALTH

20435 72nd Ave. S., Suite 200, K17-12 • Kent, Washington 98032-2358

June 27, 2001

DEREK DORLAND
ALDER LAKE COMMUNITY WATER SYSTEM
PO BOX 20429
SEATTLE WA 98102

Subject: Alder Lake Water System (ID#26995H) Pierce County
Hydraulic Connection w/ Surface Water
Engineering Report for Disinfection CT=6
Submittal #01-0618

Dear Mr. Dorland:

I have reviewed the Engineering Report submitted by Western Engineers Inc. (received on May 30, 2001) concerning the engineering design for disinfection facilities at the Alder Lake water system. The following issues need to be addressed by your engineer before the project can be approved.

1. A dedicated inlet to reservoir is needed to maintain water-turn over and avoid stagnation in the existing 23,500 gallon tank.
2. Chlorine injection must be flow-proportional with one or both wells operating. Please revise the design to include two chemical feed pumps (each wired to a well pump circuit) or include a flow pulse meter to control the single feed pump.
3. Clarify the pipe material and joint specification for the 3-inch dedicated line (a number of material specifications are listed in the General Notes on sheet 1 of 2).
4. The dedicated line to storage must remain pressurized at all times. Please revise the design to include the appropriate back flow assembly to prevent gravity flow back to wells. Also include a means to monitor whether a pressure loss occurs (e.g. an appropriately graduated pressure gauge in the well house).

Regulations establishing a schedule of fees for review of planning, engineering and construction documents have been adopted (WAC 246-290-990). The fee covers our cost for the initial review plus the review of one response submittal. An invoice for \$301.00 is enclosed. Please remit your complete payment in the form of a check or money order within thirty days of the date of this letter to: DOH, Revenue Section, P.O. Box 1099, Olympia, WA 98507-1099. Please note that payment of a review fees does not guarantee approval of the submittal.

Please give me a call at (253) 395-6763 if you have any questions or concerns.

Sincerely,

Derek M. Pell, PE
Regional Engineer
NW Drinking Water Operations

cc: John McDonnell, PE – Western Engineers Inc.
Dave Dorland – Iliad Inc. (PO Box 20098 Seattle WA 98102)
Tacoma Pierce County Health Department

