

# **PUGET POWER**

August 4, 1982  
PLN-265

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attn: E. Adensam

Subject: Puget Sound Power & Light Company  
Skagit/Hanford Nuclear Project, Units 1 & 2  
Docket Nos 50-522 and 50-523  
Informational Request on the May Junction Monocline  
and the July 21, 1982 Meeting to Discuss Resolution  
of the Issue

Dear Mr. Denton:

It is our understanding, through a series of productive meetings in May and July between your staff and Puget's consultants, that we have reached resolution of all geology concerns except the significance of the May Junction monocline. We are currently in the process of finalizing the confirmatory material on all the resolved concerns and working towards a submittal at the end of August to support an October SER addressing these matters.

The remaining concern, the significance of the May Junction monocline, was the topic of a meeting between our staffs on July 21, 1982. The May Junction monocline is a short, down to the east, monoclinal fold trending north-south which lies just south of Gable Mountain and the Southeast Anticline. The NRC Staff has requested that the Applicant acquire additional data pertaining to the mode of origin and deformational history of this fold. The NRC Staff's postulation of a possible fault associated with the monocline is based on their interpretation of seismic reflection profiles of doubtful quality and seismic refraction data. To date, our investigations have yielded no evidence of faults associated with this fold.

We are disappointed at the NRC Staff's request that additional field investigations be conducted at this time because: (1) detailed investigations to date have given no indication of a fault associated with the May Junction monocline; (2) the postulation that such a fault might exist is based on interpretation of geophysical evidence of doubtful quality; and (3) that even if such a fault did exist, and was seismogenic (capable), preliminary estimates of acceleration at the Site from the maximum credible earthquake do not exceed the 0.35g S/HNP design criteria. We believe additional investigations will only confirm the existing body of knowledge which shows no reasonable indication of a fault and, as such, would more appropriately be conducted as a program of confirmatory, post-Construction Permit investigations.

On July 21, 1982 our consultants discussed with the NRC Staff the type of investigative program that might satisfy their concern. It was established that such a program should include the use of gravity, rotary-wash boring, and core boring data. We estimate that such a program could easily cost as much as \$500,000.00. Specifically, the program discussed with NRC and USGS Staff on July 21, 1982 consists of the following:

8208100216 820804  
PDR ADOCK 05000522  
A PDR

Puget Sound Power & Light Company / Puget Power Building Bellevue, Washington 98009 (206) 454-6363

C002B

August 4, 1982

Phase I

The acquisition of more detailed gravity data over the northern portion of the monocline so a more definitive picture of the configuration of the top of basalt can be constructed.

Phase II

Drilling, logging and sampling of three rotary holes on the top, middle, and bottom of the slope of the monocline at a location agreed upon by the NRC and USGS Staff to establish the continuity and thickness units within the supra-basalt sediments and further define the basalt structure and configuration.

Phase III

Drilling, logging and sampling of three to four core borings to the top of basalt across the monocline establishing in greater detail the stratigraphy and structure of supra-basalt sediments overlying the monocline in the vicinity of any still postulated fault.

Phase IV

One core boring will be continued downward, by rotary wash drilling methods, through the Rattlesnake interbed in order to establish better control for the interpretation of the data secured in Phase II.

We wish to confirm the NRC's acknowledgement of the appropriateness of the proposed investigations and the NRC Staff's commitment to a cooperative and expeditious review of this program.

Based upon our discussions with your staff on July 21, 1982, we are proceeding with this program with the understanding that it will address their last remaining concern on our docket regarding geology. Please advise us immediately if our understanding is incorrect.

It is our intent to work as closely as possible with your staff during these investigations and provide them all data as it becomes available. During the course of the core boring phase, a site visit by the NRC Staff, for the purpose of reviewing core logs and the core itself, will probably be necessary. The program outlined is estimated to take approximately eight weeks to complete and is envisioned to provide enough information so judgment by your staff can be made finalizing the Skagit/Hanford SER in the October 1982 time frame.

If you have any questions or require additional information, please call us immediately.

Very truly yours,



Robert V. Myers  
Vice President  
Generation Resources

cc: Dr. R. Jackson, NRC  
NRC Service List dated 8/5/82

COMMISSION

Secretary of the Commission  
Docketing and Service Branch  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

LICENSING BOARD

John F. Wolf, Esq., Chairman  
Administrative Judge  
Atomic Safety and Licensing Board  
3409 Shepherd Street  
Chevy Chase, MD 20015

Dr. Frank P. Hooper  
Administrative Judge  
Atomic Safety and Licensing Board  
School of Natural Resources  
University of Michigan  
Ann Arbor, MI 48190

Mr. Gustave A. Linenberger  
Administrative Judge  
Atomic Safety and Licensing Board  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

APPEAL BOARD

Alan S. Rosenthal, Chairman  
Atomic Safety and Licensing  
Appeal Board  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dr. John H. Buck, Member  
Atomic Safety and Licensing  
Appeal Board  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Michael C. Farrar, Member  
Atomic Safety and Licensing  
Appeal Board  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

NRC STAFF

Richard L. Black, Esq.  
Counsel for the NRC Staff  
U.S. Nuclear Regulatory Commission  
Office of the Executive Legal  
Director  
Washington, D.C. 20555

INTERESTED STATES AND COUNTIES

Washington Energy Facility Site  
Evaluation Council  
Nicholas D. Lewis, Chairman  
Mail Stop PY-11  
Olympia, WA 98504

Kevin M. Ryan, Esq.  
Washington Assistant Attorney  
General  
Temple of Justice  
Olympia, WA 98504

Frank W. Ostrander, Jr., Esq.  
Oregon Assistant Attorney General  
500 Pacific Building  
520 S.W. Yamhill  
Portland, OR 97204

Bill Sebero, Chairman  
Benton County Commissioner  
P.O. Box 470  
Prosser, WA 99350

APPLICANTS

F. Theodore Thomsen  
Perkins, Coie, Stone,  
Olsen & Williams  
1900 Washington Building  
Seattle, WA 98101

David G. Powell, Esq.  
Lowenstein, Newman, Reis & Axelrad  
1025 Connecticut Avenue N.W.  
Washington, D.C. 20036

James W. Durham, Esq.  
Senior Vice President  
General Counsel and Secretary  
Portland General Electric Company  
121 S.W. Salmon Street  
Portland, OR 97204

APPLICANTS (cont.)

Warren G. Hastings, Esq.  
Associate Corporate Counsel  
Portland General Electric Company  
121 S.W. Salmon Street  
Portland, OR 97204

Richard D. Bach, Esq.  
Stoel, Rives, Boley, Fraser & Wyse  
2300 Georgia Pacific Building  
900 S.W. Fifth Avenue  
Portland, OR 97204

OTHER

Nina Bell, Staff Intervenor  
Coalition for Safe Power  
Suite 527, Governor Building  
408 S.W. Second Avenue  
Portland, OR 97204

Ralph Cavanagh, Esq.  
Natural Resources Defense Council  
25 Kearny Street  
San Francisco, CA 94108

Terence L. Thatcher, Esq.  
NWP and OEC  
708 Dekum Building  
519 S.W. Third Avenue  
Portland, OR 97204

Mr. Robert C. Lothrop  
Attorney for Columbia River  
Inter-Tribal Fish Commission  
Suite 320  
8383 N.E. Sandy Blvd.  
Portland, OR 97220

James B. Hovis  
Yakima Indian Nation  
c/o Hovis, Cockrill & Roy  
316 North Third Street  
P.O. Box 487  
Yakima, WA 98907

Canadian Consulate General  
Donald Martens, Consul  
412 Plaza 600  
6th and Stewart Street  
Seattle, WA 98101