

AUG 28 1984

Docket No.: 50-412

Applicant: Duquesne Light Company (DLC)

Facility: Beaver Valley Power Station, Unit 2 (BVPS-2)

Subject: Seismology Meeting Summary

Members of the staff met with representatives from Duquesne Light Company and Stone and Webster Engineering Corporation (SWEC) on August 16, 1984 in Bethesda, Maryland. Staff representation included personnel from the Division of Licensing, Geosciences Branch and the Structural and Geotechnical Engineering Branch. A list of meeting attendees is enclosed. The purpose of the meeting was to discuss the staff's review of the report submitted to the NRC on June 1, 1984 entitled "Seismic Design Response Spectra, Beaver Valley Power Station - Unit 2."

The staff approved the methodology used in generating the above mentioned report. However, a few concerns need to be addressed by the applicant. These concerns are listed below as Action Items.

1. Improve the site-specific rock spectrum by including additional strong motion rock records.
2. New attenuation laws are now available which differentiate between high magnitude and low magnitude earthquakes. This allows magnitude-specific amplification factors to be calculated. The applicant should compare these new data with those previously presented. (Reference: NUREG/CR-3755, "Strong Ground Motion Studies for South Carolina Earthquakes" by Nuttli, Rodriquez and Herrmann, 1984).
3. Attempt to show that the soil records used are representative of the conditions at the BVPS-2 site by varying the rock properties while using a mean soil profile.

Following a discussion of each of the Action Items, the applicant expressed an understanding of the staff's concerns and agreed to a proposed formal response date of September 14, 1984.

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In addition to requesting action from the applicant, the staff agreed to provide the following information.

1. With respect to Action Item 3, verify that in-situ is the appropriate mean soil profile even though 50% of the soil is densified.
2. Verify the boundary of the tectonic province which will allow the identification of the maximum historic earthquake.
3. Review the response to draft SER Open Item 10, verticle seismic design accelerations.

In closing, the staff encouraged the applicant to respond to the remaining geotechnical open items and also stated their availability and willingness to participate in any additional discussions needed to resolve both the seismic and geotechnical open issues.

**ORIGINAL SIGNED BY**

Marilyn Ley, Project Manager  
Licensing Branch No. 3  
Division of Licensing

Enclosure: As stated

cc: R. Jackson

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Enclosure

Beaver Valley-2 Seismic Meeting

August 16, 1984

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George Knighton	NRC/DL/LB#3
Gus Giese-Koch	NRC/DE/GSB
Leon Reiter	NRC/DE/GSB
Jack O'Neil	DLC
Pete A. Cadema	DLC
Don Hunt	SWEC
Jeff Jacobson	SWEC
Gene Tilton	SWEC
Thomas Y. Chang	SWEC
Lyman Heller	NRC/DE/SGFB

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MEETING SUMMARIES

Docket File (50-412)

NRC PDR

Local PDR

PRC System

NSIC

LB#3 Reading

J. Lee

Project Manager MLey

Attorney, OELD

G. W. Knighton

W. Lovelace (Caseload Forecast Panel Visits)

OPA (Caseload Forecast Panel Visits)

NRC PARTICIPANTS

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