

December 3, 1985

Docket No. 50-334

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B. Grimes

T. Barnhart 4

M. Virgilio

OPA, C. Miles

R. Ballard

Mr. J. J. Carey, Vice President  
Nuclear Group  
Duquesne Light Company  
Post Office Box 4  
Shippingport, PA 15077

Dear Mr. Carey:

SUBJECT: ISSUANCE OF AMENDMENT (LICENSING ACTION TAC 59312)

The Commission has issued the enclosed Amendment No. 98 to Facility Operating License No. DPR-66 for the Beaver Valley Power Station, Unit No. 1. The amendment consists of changes to the Technical Specifications in response to your application dated July 12, 1985.

The amendment changes the Technical Specifications for Beaver Valley Unit No. 1 to revise the calibration schedule of the seismic instruments from "within 24 hours" to "within 30 days" after a seismic event. The increased flexibility would ensure that part of the instrumentation would remain available to record potential after-shock data.

A copy of the related Safety Evaluation is enclosed. The Notice of Issuance will be included in the Commission's next regular bi-weekly Federal Register notice.

Sincerely,

/s/PTam

Peter S. Tam, Project Manager  
PWR Project Directorate #2  
Division of PWR Licensing-A

Enclosures:

1. Amendment No. 98 to DPR-66
2. Safety Evaluation

cc w/enclosures:

See next page

\*SEE PREVIOUS WHITE FOR CONCURRENCES

ORB#1:DL\*  
CParrish  
11/12/85

PWR#2-A  
PTam;ps  
12/2/85

BC-ORB#1:DL\*  
SVarga  
11/13/85

OELD\*  
11/19/85

D/PWR#2-A  
LRubenstein  
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J&R

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Docket No. 50-334

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Mr. J. J. Carey, Vice President  
Nuclear Group  
Duquesne Light Company  
Post Office Box 4  
Shippingport, PA 15077

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Sincerely,

Peter S. Tam, Project Manager  
Operating Reactors Branch No. 1  
Division of Licensing

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2. Safety Evaluation

cc w/enclosures:

See next page

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11/13/85

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SVarga  
11/12/85

OELD  
11/19/85

AD-OR:DL  
GLainas  
11/ /85

Mr. J. J. Carey  
Duquesne Light Company

Beaver Valley 1 Power Station

cc:

Mr. W. S. Lacey  
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U.S. Nuclear Regulatory Commission  
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State Clearinghouse  
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Harrisburg, Pennsylvania 17120

Department of Environmental Resources  
ATTN: Director, Office of  
Radiological Health  
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Mr. Jess T. Shumate, Commissioner  
State of West Virginia Department  
of Labor  
1900 Washington Street, East  
Charleston, West Virginia 25305

Duquesne Light Company

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Beaver Valley 1 Power Station

cc:

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State Director of Health  
State Department of Health  
1800 Washington Street, East  
Charleston, West Virginia 25305

Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

Mr. Thomas M. Gerusky, Director  
Bureau of Radiation Protection  
Pennsylvania Department of  
Environmental Resources  
P.O. Box 2063  
Harrisburg, Pennsylvania 17120



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

DUQUESNE LIGHT COMPANY

OHIO EDISON COMPANY

PENNSYLVANIA POWER COMPANY

DOCKET NO. 50-334

BEAVER VALLEY POWER STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 98  
License No. DPR-66

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Duquesne Light Company, Ohio Edison Company, and Pennsylvania Power Company (the licensees) dated July 12, 1985, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-66 is hereby amended to read as follows:

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(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 98, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This amendment is effective on issuance, to be implemented no later than 30 days after issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Lester S. Rubenstein, Director  
PWR Project Directorate #2  
Division of PWR Licensing-A

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: December 3, 1985

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 98 TO FACILITY OPERATING LICENSE NO. DPR-66

DOCKET NO. 50-334

Revise Appendix A as follows:

Remove Page

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Insert Page

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## INSTRUMENTATION

### SEISMIC INSTRUMENTATION

#### LIMITING CONDITION FOR OPERATION

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3.3.3.3 The seismic monitoring instrumentation shown in Table 3.3-7 shall be OPERABLE.

APPLICABILITY: At all times.

ACTION:

- a. With the number of OPERABLE seismic monitoring instruments less than required by Table 3.3-7, restore the inoperable instrument(s) to OPERABLE status within 30 days.
- b. With one or more seismic monitoring instruments inoperable for more than 30 days, prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 within the next 10 days outlining the cause of the malfunction and the plans for restoring the instrument(s) to OPERABLE status.
- c. The provisions of Specifications 3.0.3 and 3.0.4 are not applicable.

#### SURVEILLANCE REQUIREMENTS

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4.3.3.3.1 Each of the above seismic monitoring instruments shall be demonstrated OPERABLE by the performance of the CHANNEL CHECK, CHANNEL CALIBRATION and CHANNEL FUNCTIONAL TEST operations at the frequencies shown in Table 4.3-4.

4.3.3.3.2 Each of the above seismic monitoring instruments actuated during a seismic event greater than or equal to 0.01g shall be restored to OPERABLE status within 24 hours and a CHANNEL CALIBRATION performed within 30 days following the seismic event. Data shall be retrieved from actuated instruments and analyzed to determine the magnitude of the vibratory ground motion. A Special Report shall be prepared and submitted to the Commission pursuant to Specification 6.9.2 within 14 days describing the magnitude, frequency spectrum and resultant effect upon facility features important to safety.



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 98 TO FACILITY OPERATING LICENSE NO. DPR-66

DUQUESNE LIGHT COMPANY

OHIO EDISON COMPANY

PENNSYLVANIA POWER COMPANY

BEAVER VALLEY POWER STATION, UNIT NO. 1

DOCKET NO. 50-334

INTRODUCTION

By letter dated July 12, 1985, Duquesne Light Company (the licensee) submitted a proposed amendment to the Technical Specifications (Appendix A of Operating License No. DPR-66) for Beaver Valley Power Station, Unit 1 to revise the surveillance requirements for seismic monitoring instrumentation. We have reviewed the requested changes, and the results are as follows.

EVALUATION AND DISCUSSION

Currently, Section 4.3.3.3.2 specifies that each seismic monitoring instrument actuated during a seismic event shall be restored to operable status and a CHANNEL CALIBRATION performed within 24 hours following the seismic event. This section also specifies that a Special Report shall be prepared and submitted to the Commission within 10 days pursuant to Specification 6.9.2. The licensee proposes to extend the time to perform the CHANNEL CALIBRATION to 30 days due to the fact that the instrumentation manufacturer requires at least 5 days to calibrate the instrumentation assuming that all instrumentation could be removed at once and no delay occurred. The licensee recommends calibration in two phases to ensure that at least a part of the seismic instrumentation would remain installed after the initial event to record potential after-shock data. The Triaxial Time-History Accelerograph system would be calibrated and returned to operation within 15 days and the Peak Accelerographs and Response Spectrum Recorders would be calibrated within an additional 15 days. This will result in at least a portion of the seismic instrumentation remaining in service immediately after the seismic event. On this basis, the licensee's proposal to extend the channel calibration to 30 days is acceptable.

The Standard Technical Specifications, draft Revision Five, specifies a 14-day interval for reporting the results of any seismic event. The licensee proposes to adopt this new reporting requirement interval. Since the proposal agrees with our position, it is acceptable.

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We have evaluated the proposed changes to the Technical Specifications and conclude that these changes are administrative and do not involve any physical change to the plant's safety-related structures, systems or components. Further, these changes do not increase the likelihood of a malfunction of safety-related equipment, or increase the consequences of an accident previously analyzed or create the possibility of a malfunction different from those previously evaluated. Therefore, we find the licensee's requested changes to be acceptable.

#### ENVIRONMENTAL CONSIDERATION

This amendment involves a change in the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR Sec 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

#### CONCLUSION

We have concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Date: December 3, 1985

Principal Contributor:

David M. Johnson