



## Duquesne Light

Nuclear Construction Division  
Robinson Plaza, Building 2, Suite 210  
Pittsburgh, PA 15205

2NRC-4-119  
(412) 787-5141  
(412) 923-1960  
Telecopy (412) 787-2629  
August 9, 1984

United States Nuclear Regulatory Commission  
Washington, DC 20555

ATTENTION: Mr. George W. Knighton, Chief  
Licensing Branch 3  
Office of Nuclear Reactor Regulation

SUBJECT: Beaver Valley Power Station - Unit No. 2  
Docket No. 50-412  
Response to DSER Outstanding Issues

Gentlemen:

This letter forwards responses to the issues listed below. The following items are attached:

- Attachment 1: Additional Information on Outstanding Issue 56 of the Beaver Valley Power Station No. 2 Draft Safety Evaluation Report.
- Attachment 2: Response to Outstanding Issue 58 of the Beaver Valley Power Station No. 2 Draft Safety Evaluation Report.
- Attachment 3: Response to Outstanding Issue 77 of the Beaver Valley Power Station No. 2 Draft Safety Evaluation Report.

DUQUESNE LIGHT COMPANY

SUBSCRIBED AND SWORN TO BEFORE ME THIS  
9th DAY OF August, 1984.

Elva G. Lesondak  
Notary Public

ELVA G. LESONDAK, NOTARY PUBLIC  
ROBINSON TOWNSHIP, ALLEGHENY COUNTY

MY COMMISSION EXPIRES OCTOBER 20, 1986  
KAT/wjs

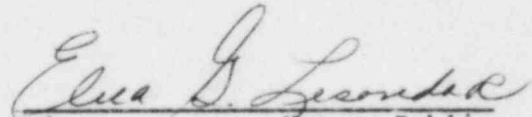
Attachments

By E. J. Woolever  
E. J. Woolever  
Vice President

cc: Mr. H. R. Denton, Director (NRR) (w/a)  
Mr. D. Eisenhut, Director Division of Licensing (w/a)  
Ms. M. Ley, Project Manager (w/a)  
Mr. E. A. Licitra, Project Manager (w/a)  
Mr. G. Walton, NRC Resident Inspector (w/a)

COMMONWEALTH OF PENNSYLVANIA )  
 ) SS:  
COUNTY OF ALLEGHENY )

On this 8<sup>th</sup> day of August, 1984, before me,  
a Notary Public in and for said Commonwealth and County, personally  
appeared E. J. Woolever, who being duly sworn, deposed and said that (1) he  
is Vice President of Duquesne Light, (2) he is duly authorized to execute  
and file the foregoing Submittal on behalf of said Company, and (3) the  
statements set forth in the Submittal are true and correct to the best of  
his knowledge.

  
Notary Public

ELVA G. LESONDAK, NOTARY PUBLIC  
ROBINSON TOWNSHIP, ALLEGHENY COUNTY  
MY COMMISSION EXPIRES OCTOBER 20, 1986

ATTACHMENT 1

Additional Information on Outstanding Issue 56 of the  
Beaver Valley Power Station Unit No. 2  
Draft Safety Evaluation Report

Draft SER Section 7.2.2.6: NUREG-0737 Item II.K.3.12, "Anticipatory Reactor Trip on Turbine Trip" (excerpt)

The sensors and stop valve contacts are not qualified to operate in a seismic event.

Response:

The subject sensors and contacts serve only to interrupt power to cause a reactor trip and thus fail in the safe direction when they fail open in a seismic event. This is discussed in more detail on FSAR Page 7.2-9. No credit is taken for this trip in any Chapter 15 accident analysis. It is an anticipatory trip and is included in the design only as a good engineering practice.

ATTACHMENT 2

Response to Outstanding Issue 58 of the  
Beaver Valley Power Station Unit No. 2  
Draft Safety Evaluation Report

Draft SER Section 7.3.3.3: Undetectable Failure on Online Testing Circuitry  
for Engineered Safeguards Relays (excerpt)

Until an acceptable circuit modification is installed or the applicant commits to perform the tests recommended by Westinghouse immediately following the monthly tests of an associated master relay, this is an open item.

Response:

The design of BVPS-2 will incorporate the hardware changes described in Westinghouse Technical Bulletin NSD-TB-84-01. DLC expects that these changes will be incorporated in the BVPS-2 SSPS prior to July 1, 1985.

ATTACHMENT 3

Response to Outstanding Issue 77 of the  
Beaver Valley Power Station Unit No. 2  
Draft Safety Evaluation Report

Draft SER Section 7.7.2.3: Control System Failure Caused by Malfunctions of  
Common Power Source or Instrument Line (excerpt)

To provide assurance that the FSAR Chapter 15 analyses adequately bound events initiated by a single credible failure or malfunction, the staff has asked the applicant to identify any power source or sensors that provide power or signals to two or more control functions, and to demonstrate that failures or malfunctions of these power sources or sensors will not result in consequences more severe than those of Chapter 15 analyses or beyond the capability of operator or safety systems.

Response:

Duquesne Light Company is making arrangements with the NSSS vendor to conduct a detailed plant review to address this issue. This review will be similar to the review conducted on other Westinghouse plants to address this issue. The review is expected to be completed by April 1985. The applicable results will be provided when the review is complete.