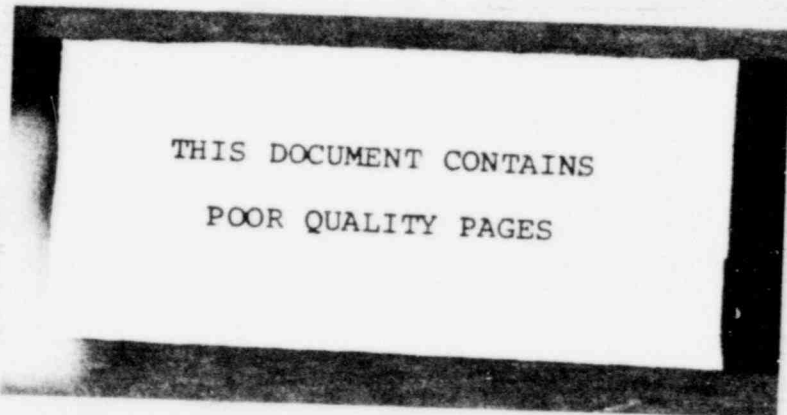


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APR 23 1980

Docket No. 50-334

Mr. C. N. Dunn, Vice President  
Operations Division  
Duquesne Light Company  
435 Sixth Avenue  
Pittsburgh, Pennsylvania 15219



Dear Mr. Dunn:

In 1975, a pipe crack study group was formed to investigate intergranular stress corrosion cracking in pipes and to make recommendations for correcting and preventing these cracks. The results of the group's work was published in NUREG-75/067 and NUREG-0313. Since 1975, similar cracks have occurred in pipes in other systems and questions have been raised on ultrasonic testing. This led to the formation of a new study group in September 1978.

The new study group has recently completed a review of cracks in boiling water reactors. The results were published in NUREG-0531 and in Revision 1 to NUREG-0313. The study group is now in the process of initiating an evaluation of pipe cracks in pressurizer water reactors and Beaver Valley Unit No. 1 was selected as a reference plant for the review.

We have discussed this review with Jack Carey and Jack Sieber and they have furnished us with isometric drawings of the charging and safety injection lines. To continue with our review, we request that Duquesne Light Company provide the following information as may be currently available from your files.

1. High pressure and low pressure safety injection systems fluid flow checks against the valves anticipated from the design analysis. These flow checks would have been made during construction or pre-operational testing.
2. The peak centerline temperature (PCTs) for each of the three cases of high pressure safety injection (HPSI) flow evaluated in the Westinghouse Owners Group report on inadequate core cooling. These cases were for two HPSI pumps, one HPSI pump, and no HPSI pump operation. The Westinghouse Owners Group report was transmitted by C. Reed to D. Ross (NRC) on October 30, 1979 (Reference OG 18).
3. A copy of the Westinghouse recommendation letter to DLC to add a 3/4 inch relief valve to the CVCS. We understand that this modification is being made during the current modification outage.

OFFICE ▶

SURNAME ▶

DATE ▶

Mr. C. N. Dunn  
Duquesne Light Company

- 2 -

The above information will be used by the pipe crack study group to evaluate the effects of pipe cracks and certain failures on the operability of safety systems. We also anticipate a visit to the Beaver Valley Unit No. 1 in the near future and if this develops we will send our request to Mr. Werling for proper coordination.

In making these requests we expect Duquesne Light Company to respond where information exists. We do not feel it will be necessary to develop new data. If you have any questions on this matter, please let us know.

Sincerely,

Original signed by

A. Schwencer, Chief  
Operating Reactors Branch #1  
Division of Operating Reactors

Enclosure:  
As stated

cc: See next page

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Mr. C. N. Dunn  
Duquesne Light Company

cc: Gerald Charnoff, Esquire  
Jay E. Silberg, Esquire  
Shaw, Pittman, Potts and Trowbridge  
1800 M Street, N.W.  
Washington, D. C. 20036

Karin Carter, Esquire  
Special Assistant Attorney General  
Bureau of Administrative Enforcement  
5th Floor, Executive House  
Harrisburg, Pennsylvania 17120

Mr. Roger Tapan  
Stone and Webster Engineering  
Corporation  
P. O. Box 2325  
Boston, Massachusetts 02107

Mr. F. Noon  
R & D Center  
Westinghouse Electric Corporation  
Building 7-303  
Pittsburgh, Pennsylvania 15230

B. F. Jones Memorial Library  
663 Franklin Avenue  
Aliquippa, Pennsylvania 15001

Mr. John Carey, Director  
Nuclear Operations  
Duquesne Light Company  
435 Sixth Avenue  
Pittsburgh, Pennsylvania 15219

Mr. R. E. Martin  
Duquesne Light Company  
435 Sixth Avenue  
Pittsburgh, Pennsylvania 15219

Marvin Fein  
Utility Counsel  
City of Pittsburgh  
313 City-County Building  
Pittsburgh, Pennsylvania 15219

Mr. James A. Werling  
Plant Superintendent  
Beaver Valley Power Station  
P. O. Box 4  
Shippingport, Pennsylvania 15077

Mr. John A. Levin  
Public Utility Commission  
P. O. Box 3265  
Harrisburg, Pennsylvania 17120

Mr. J. D. Sieber, Superintendent  
of Licensing and Compliance  
Duquesne Light Company  
Post Office Box 4  
Shippingport, Pennsylvania 15077