

April 16, 1990

Docket No. 50-334

Mr. J. D. Sieber, Vice President
Nuclear Group
Dusquesne Light Company
Post Office Box 4
Shippingport, Pennsylvania 15077

Dear Mr. Sieber:

SUBJECT: ISSUANCE OF ENVIRONMENTAL ASSESSMENT AND FINDING OF NO
SIGNIFICANT IMPACT (TAC NO. 74525)

Enclosed is a copy of an "Environmental Assessment and Finding of No
Significant Impact" for your information. This relates to your application
dated July 8, 1989 for exemption from certain requirements of GDC 57,
Appendix A to 10 CFR Part 50 for the Beaver Valley Power Station, Unit No. 1.

The assessment has been sent to the Office of the Federal Register for
publication.

Sincerely,

Original signed by

Peter S. Tam, Senior Project Manager
Project Directorate I-4
Division of Reactor Projects-I/II
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc w/enclosure:
See next page

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S. Varga (14E4)

B. Boger (14A2)

J. Stolz

S. Norris

Peter S. Tam

OGC

E. Jordan (MNBB 3302)

ACRS (10)

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Mr. J. Sieber
Duquesne Light Company
cc:

Jay E. Silberg, Esquire
Shaw, Pittman, Potts and Trowbridge
2300 N Street, N.W.
Washington, DC 20037

Nelson Tonet, Manager
Nuclear Safety
Duquesne Light Company
P. O. Box 4
Shippingport, Pennsylvania 15077

Ashley C. Schannauer
Assistant City Solicitor
City of Pittsburgh
313 City-County Building
Pittsburgh, Pennsylvania 15219

Commissioner Roy M. Smith
West Virginia Department of Labor
Building 3, Room 319
Capitol Complex
Charleston, WV 25305

John D. Borrows
Director, Utilities Department
Public Utilities Commission
180 East Broad Street
Columbus, Ohio 43266-0573

Director, Pennsylvania Emergency
Management Agency
Post Office Box 3321
Harrisburg, Pennsylvania 17105-3321

Beaver Valley Power Station
Units 1 & 2

Bureau of Radiation Protection
Pennsylvania Department of
Environmental Resources
ATTN: R. Janati
Post Office Box 2063
Harrisburg, Pennsylvania 17120

Mayor of the Borough of
Shippingport
Post Office Box 3
Shippingport, Pennsylvania 15077

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, Pennsylvania 19406

Resident Inspector
U.S. Nuclear Regulatory Commission
Post Office Box 181
Shippingport, Pennsylvania 15077

UNITED STATES NUCLEAR REGULATORY COMMISSION

DUQUESNE LIGHT COMPANY

OHIO EDISON COMPANY

PENNSYLVANIA POWER COMPANY

DOCKET NO. 50-334

ENVIRONMENTAL ASSESSMENT AND FINDING OF

NO SIGNIFICANT IMPACT

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of an exemption from certain requirements of Appendix A to 10 CFR Part 50 to Duquesne Light Company (the licensee, acting as agent for the above utilities), for the Beaver Valley Power Station, Unit 1, located in Shippingport, Pennsylvania.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action:

The exemption would allow deviations from the requirements of General Design Criterion (GDC) 57 of Appendix A to 10 CFR 50 for certain piping of the auxiliary feedwater system. Specifically, the exemption would permit the use of check valves as containment isolation valves, contrary to what GDC 57 prohibits.

The exemption is responsive to the licensee's application dated July 8, 1989.

The Need for the Proposed Action: The proposed exemption is needed because special circumstances are present in that literal application of the regulation is not necessary to achieve the underlying purposes of the regulation; features comparable with the requirements of the regulation are available. If the exemption is not granted, additional costs would be incurred by the licensee with no increase in the degree of safety.

Environmental Impacts of the Proposed Action:

The proposed exemption will provide assurance of containment isolation that is equivalent to that required by GDC 57 of Appendix A such that there is no increase in the risk of radiological release at the facility. The probability of accidents would not be increased and the post-accident radiological releases will not be greater than previously determined, nor does the proposed exemption otherwise affect radiological plant effluents. Therefore, the Commission concludes that there are no significant radiological environmental impacts associated with the proposed exemption.

With regard to potential non-radiological impact, the proposed exemption involves features located entirely within the restricted area as defined in 10 CFR Part 20. It does not affect non-radiological plant effluents and has no other environmental impact. Therefore, the Commission concludes that there are no significant non-radiological environmental impacts associated with the proposed exemption.

Alternative Use of Resources:

This action involves no use of resources not previously considered in the Final Environmental Statement (construction permit and operating license) for the Beaver Valley Power Station, Unit No. 1.

Agercies and Persons Consulted:

The NRC staff reviewed the licensee's request and did not consult other agencies or persons.

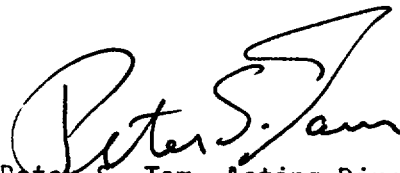
FINDING OF NO SIGNIFICANT IMPACT

Based upon the foregoing environmental assessment, the Commission concludes that the proposed action will not have a significant effect on the quality of the human environment. The Commission has, therefore, determined not to prepare an environmental impact statement for the proposed exemption.

For further details with respect to this action, see the application for the exemption dated July 8, 1989, which is available for public inspection at the Commission's Public Document Room, the Gelman Building, 2120 L Street N.W., Washington, D.C. and at the B. F. Jones Memorial Library, 663 Franklin Avenue, Aliquippa, Pennsylvania 15001.

Dated at Rockville, Maryland this 16th day of April , 1990

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in black ink, appearing to read "Peter S. Tam". The signature is stylized with a large, sweeping initial "P" and a long, horizontal stroke extending to the right.

Peter S. Tam, Acting Director
Project Directorate I-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation