

June 3, 1991

Docket No. 50-334  
Serial No. BV-91-016

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Mr. J. D. Sieber, Vice President  
Nuclear Group  
Duquesne Light Company  
Post Office Box 4  
Shippingport, Pennsylvania 15077-0004

Dear Mr. Sieber:

SUBJECT: BEAVER VALLEY UNIT 1 - ENVIRONMENTAL ASSESSMENT RELATED TO  
EXEMPTION FROM REQUIREMENTS OF GDC 57 (TAC 75772)

Enclosed for your information is a copy of an Environmental Assessment and Finding of No Significant Impact. This assessment applies to the exemption requested in your letter dated January 11, 1990, as supplemented by letters dated March 23, 1990 and April 29, 1991, and relates to containment isolation provisions for the recirculation-spray heat exchanger river-water radiation monitor sample-lines. This Environmental Assessment has been forwarded to the Office of the Federal Register for publication.

Sincerely,

/s/

Albert W. De Agazio, Sr. Project Manager  
Project Directorate I-4  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosure:  
Environmental Assessment

cc w/enclosure:  
See next page

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*[Signature]*  
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Mr. J. D. Sieber  
Duquesne Light Company  
cc:

Beaver Valley Power Station  
Units 1 & 2

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UNITED STATES NUCLEAR REGULATORY COMMISSIONBEAVER VALLEY POWER STATION, UNIT NO. 1DUQUESNE LIGHT COMPANYOHIO EDISON COMPANYPENNSYLVANIA POWER COMPANYDOCKET NO. 50-334ENVIRONMENTAL ASSESSMENT ANDFINDING OF NO SIGNIFICANT IMPACT

The U. S. Nuclear Regulatory Commission (the Commission) is considering issuance of an exemption to Facility Operating License No. DPR-66, issued to Duquesne Light Company (the licensee), for operation of the Beaver Valley Power Station, Unit No. 1, (BVPS-1) located in Beaver County, Pennsylvania.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action: The exemption, proposed by letter dated January 11, 1990, and supplemented by letters dated March 23, 1990 and April 29, 1991, would provide partial relief from the requirements of 10 CFR Part 50, Appendix A, General Design Criterion 57 (GDC 57) with respect to the valve configuration in the recirculation spray system heat exchanger (RSSHx) river water radiation monitor sample lines.

The Need for the Proposed Action: The BVPS-1 RSSHx heat exchanger river water radiation monitor sample lines do not have containment isolation valves that are either automatic, remote-manual, or locked closed. Therefore, this configuration does not meet the requirements of GDC 57 relating to containment

isolation provisions for lines that penetrate containment but that are part of a closed system inside containment. Additionally, the Updated Final Safety Analysis Report does not describe this deviation from GDC 57. The proposed exemption would provide partial relief from the requirements of GDC 57 for this system by permitting the use of manually-operated isolation valves in the subject sample lines. The sample lines are normally open and must remain open following an accident to detect rapidly any radiation releases through an RSSHx tube leak. Although a radioactivity release eventually could be detected by means other than the normally open radiation monitors in the sample lines, it would take much longer to identify and isolate the leaking RSSHx. Therefore, locked-closed valves or automatic valves in the sample lines are not desirable from the standpoint of minimizing releases of radioactivity.

Environmental Impacts of the Proposed Action: The Commission has evaluated the environmental impacts of the proposed exemption and has determined that the probability of accidents has not been increased by the proposed alternative testing, and that post-accident radiological releases would not be greater than previously determined. Further, the Commission has determined that the proposed exemption does not affect routine radiological plant effluents or occupational radiological exposure. Accordingly, the Commission concludes that there are no significant radiological environmental impacts associated with this proposed exemption.

With regard to potential non-radiological impacts, 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 to the Proposed Action: Since the Commission has concluded that the environmental effects of the proposed action are not significant, any alternative with equal or greater environmental impact need not be evaluated.

The principal alternative would be to deny the requested exemption. This would not reduce the environmental impact attributable to this facility, and would result in a larger expenditure of licensee resources to comply with the Commission's regulations.

Alternative Use of Resources: This action does not involve the use of resources not previously considered in the Final Environmental Statement related to operation of the Beaver Valley Power Station, Unit 1, dated July 1973.

Agencies and Persons Consulted: The Commission's staff reviewed the licensee's request and did not consult other agencies or persons.

#### FINDING OF NO SIGNIFICANT IMPACT

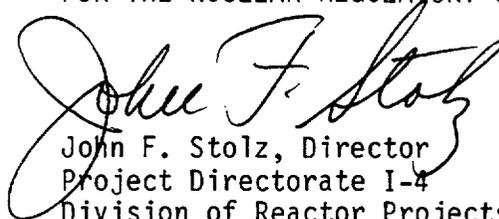
Based upon the foregoing environmental assessment, the Commission concludes that the proposed action will not have a significant effect on the quality of the human environment. Accordingly, the Commission has determined not to prepare an environmental impact statement for the proposed exemption.

For further details with respect to this action, see the application for exemption dated January 11, 1990, and supplemented by letters dated March 23, 1990 and April 29, 1991, which are available for public inspection at the Commission's Public Document Room, the Gelman Building, 2120 L Street,

N.W., Washington, D.C. 20555 and at the Local Public Document Room located at B. F. Jones Memorial Library, 663 Franklin Avenue, Aliquippa, Pennsylvania 15001.

Dated at Rockville, Maryland, this 3rd day of June, 1991.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script, reading "John F. Stolz". The signature is written in black ink and is positioned above the typed name and title.

John F. Stolz, Director  
Project Directorate I-4  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation



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

June 3, 1991

DOCKET NO. 50-334

MEMORANDUM FOR: Regulatory Publications Branch  
Division of Freedom of Information and Publications Services  
Office of Administration and Resources Management

FROM: Office of Nuclear Reactor Regulation

SUBJECT: BEAVER VALLEY POWER STATION, UNIT 1

One signed original of the *Federal Register* Notice identified below is enclosed for your transmittal to the Office of the Federal Register for publication. Additional conformed copies ( 5 ) of the Notice are enclosed for your use.

- Notice of Receipt of Application for Construction Permit(s) and Operating License(s).
- Notice of Receipt of Partial Application for Construction Permit(s) and Facility License(s): Time for Submission of Views on Antitrust Matters.
- Notice of Consideration of Issuance of Amendment to Facility Operating License. (Call with \_\_\_\_ -day insert date).
- Notice of Receipt of Application for Facility License(s); Notice of Availability of Applicant's Environmental Report; and Notice of Consideration of Issuance of Facility License(s) and Notice of Opportunity for Hearing.
- Notice of Availability of NRC Draft/Final Environmental Statement.
- Notice of Limited Work Authorization.
- Notice of Availability of Safety Evaluation Report.
- Notice of Issuance of Construction Permit(s).
- Notice of Issuance of Facility Operating License(s) or Amendment(s).
- Order.
- Exemption.
- Notice of Granting Exemption.
- Environmental Assessment.
- Notice of Preparation of Environmental Assessment.
- Receipt of Petition for Director's Decision Under 10 CFR 2.206.
- Issuance of Final Director's Decision Under 10 CFR 2.206.
- Other: \_\_\_\_\_

Enclosure:  
As stated

Project Directorate I-4

Contact: S. Norris  
Phone: X21440

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SURNAME ▶	SNorris						
DATE ▶	6/3/91						