



**Duquesne Light**

Nuclear Group  
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November 7, 1985

Director of Nuclear Reactor Regulation  
United States Nuclear Regulatory Commission  
Attn: Mr. Steven A. Varga, Chief  
Operating Reactors Branch No. 1  
Division of Licensing  
Washington, DC 20555

Reference: Beaver Valley Power Station, Unit No. 1  
Docket No. 50-334, License No. DPR-56  
Proposed Operating License Change Request No. 115

Gentlemen:

Enclosed are:

1. Three (3) originals and thirty-seven (37) copies of an Application for Amendment to our Operating License to change the expiration date from June 25, 2010 to January 29, 2016.
2. Forty (40) copies of documents designated Attachment A and B which set forth the change in Operating License and its no significant hazards determination.

The licensed term for plant operation is 40 years, commencing with issuance of the construction permit, June 26, 1970 and currently expires at midnight on June 25, 2010. This includes the plant construction period and represents an effective operating license term of only 34 years. This request proposes a full 40 year operating license term. 10CFR50.51 states that the Commission will issue a license for the term (not to exceed 40 years) requested by the applicant or for the estimated useful life of the facility if the Commission determines that the estimated useful life is less than the term requested.

We fully expect that the facility will remain useful beyond the current operating license expiration date, and will continue to enhance the economic health and well-being of the company's service area. The plant is a major asset to Allegheny and Beaver Counties and surrounding communities by virtue of its ongoing contributions to the property tax base and secondary benefits to the local economy from employee payroll, and from the expenditures for goods and service to operate the plant. As a baseload generating station, Beaver Valley provides power and stability to the Central Area Power Coordinating Group (CAPCO) interconnection which serves the customers of Cleveland Electric Illuminating Company, Pennsylvania Power Company, Toledo Edison Company, Duquesne Light Company and Ohio Edison Company. The additional years of plant operation would affect the need to install replacement baseload

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capacity or to purchase supplemental power from outside our system. Utilization of domestic sources of energy such as nuclear power helps reduce our nations dependence on expensive imported oil. Therefore, residents and industrial interests throughout the company's service area will benefit from the lower cost of electricity that would result from amortizing the capital costs of the plant over a longer period of time.

We have reviewed the BVPS-1 Environmental Report dated September 24, 1971 including applicable amendments and have concluded that the impacts associated with the 40 year operating license duration are not significantly different from those associated with the current 34 year operating license duration. In general, the Environmental Report assesses various impacts associated with operation of the facility in terms of annual impacts and balances these against the anticipated energy production benefits. Thus, the overall assessment and conclusions would not be dependent on specific operating life. However, specific operating life was either assumed or discussed in the following sections:

- Section 3.4        short-term uses versus long-term productivity
- Section 3.6.2.2   population distribution
- Section 5        cost-benefit analysis
  - 5.1.2.2   power purchase
  - 5.2.1.1.3   generation of electrical power
  - 5.2.1.1.5   taxes
  - 5.2.1.1.11   employment
  - 5.2.1.2   economics of proposed station
  - 5.3.1.1   natural draft cooling tower economics
  - 5.3.2.1   mechanical draft cooling tower economics
  - 5.4.1.1   proposed chemical waste treatment system economics
  - 5.4.2.1   evaporative chemical waste treatment system economics
- Appendix A letter (Commonwealth of Pennsylvania DER, May 22, 1971 to R. J. McAllister, DLC; Subject: Water Discharge Permits)

Section 3.4 discusses the relationship between local and short-term uses of man's environment and the maintenance and enhancement of long-term productivity. The safeguards and limitations built into this station are designed such that its operation will not result in any adverse affect on the short or long-term productivity of the environment.

Section 3.6.2.2 discusses the population distribution used in the evaluation of radiological consequences of accidents. An estimated population distribution for the year 1990 was used in this evaluation.

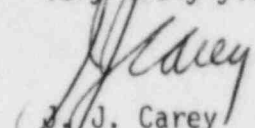
Section 5 presents a cost benefit analysis which discusses the alternatives for maintaining adequate electric power generating reserves needed to reliably serve the customers. Environmental and economic considerations were used to determine the plant design alternatives.

Appendix A forwards to Duquesne Light Company the water quality discharge permits. Item (d) states that operation of the proposed power station is expected to commence on June 1, 1973 and has a life expectancy of 40 to 45 years.

Therefore, we have concluded that extension of the Operating License to allow a 40-year service life is safe and consistent with the safety analysis.

A check in the amount of \$150.00 is attached for payment of the license amendment application fee in accordance with 10CFR170.

Very truly yours,

  
J. J. Carey  
Vice President, Nuclear

Attachment

cc: Mr. W. M. Troskoski, Resident Inspector  
U.S. Nuclear Regulatory Commission  
Beaver Valley Power Station  
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