

UNITED STATES NUCLEAR REGULATORY COMMISSION

PENNSYLVANIA POWER & LIGHT COMPANY

DOCKET NO. 50-388

ENVIRONMENTAL ASSESSMENT AND FINDING OF

NO SIGNIFICANT IMPACT

The U. S. Nuclear Regulatory Commission (the Commission) is considering issuance of an amendment to Facility Operating License No. NPF-22, issued to Pennsylvania Power and Light Company, (the licensee), for operation of the Susquehanna Steam Electric Station, Unit 2, located in Luzerne County, Pennsylvania.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action:

The proposed amendment would revise the provisions in the Technical Specifications (TS) to support the Residual Heat Removal System (RHR) modifications intended to reduce the potential of waterhammer when RHR system is required to switchover from Suppression Pool Cooling (SPC) mode of operation to Low Pressure Coolant Injection (LPCI) mode of operation.

The proposed action is in accordance with the licensee's application for amendment dated December 23, 1987, as supplemented by its letters dated March 11 and 24, 1988.

The Need for the Proposed Action:

The proposed change to the TS is required in order to permit the licensee to incorporate modifications to install RHR system bypass capability which would reduce the potential of waterhammer when RHR system switches over from SPC mode to LPCI mode of operation.

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Environmental Impacts of the Proposed Action:

The Commission has completed its evaluation of the proposed revision to Technical Specifications. The proposed modification will be made to install bypass lines across valves HV-251F028 A&B. These bypass flow paths will be used for normal suppression pool cooling. The new piping will also include fast closing valves HV-25129 A&B, which will isolate upon RHR pump trip or LPCI initiation signal. The closing time is selected to allow RHR piping to remain water filled, thereby reducing the potential of a waterhammer. The modification will neither affect the present valves used for suppression pool cooling, nor will it adversely affect LPCI injection, since the new valves being installed close faster than the current valves. Therefore, both RHR mode and LPCI mode of operation will be unaffected. Therefore, the proposed changes do not increase the probability or consequences of accidents, no changes are being made in the types of any effluents that may be released offsite, and there is no significant increase in the allowable individual or cumulative occupational radiation exposure. Accordingly, the Commission concludes that this proposed action would result in no significant radiological environmental impact.

With regard to potential non-radiological impacts, the proposed change to the TS involves systems located 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 amendment.

The Notice of Consideration of Issuance of Amendment and Opportunity for Hearing in connection with this action was published in the Federal Register on March 11, 1988 (53 FR 7995). No request for hearing or petition for leave to intervene was filed following this notice.

Alternative to the Proposed Action:

Since the Commission concluded that there are no significant environmental effects that would result from the proposed action, any alternatives with equal or greater environmental impacts need not be evaluated.

The principal alternative would be to deny the requested amendment. This would not reduce environmental impacts of plant operation and would result in reduced operational flexibility.

Alternative Use of Resources:

This action does not involve the use of any resources not previously considered in the Final Environmental Statement for the Susquehanna Steam Electric Station, Unit 1 and 2, dated June 1981.

Agencies and Persons Consulted:

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

FINDING OF NO SIGNIFICANT IMPACT

The Commission has determined not to prepare an environmental impact statement for the proposed license amendment.

Based upon the foregoing environmental assessment, we conclude that the proposed action will not have a significant effect on the quality of the human environment.

For further details with respect to this action, see the application for amendment dated December 23, 1987 and supplements dated March 11 and 24, 1988 which are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C. and at the Osterhout Free Library, Reference Department, 71 South Franklin Street, Wilkes-Barre, Pennsylvania 18701.

Dated at Rockville, Maryland, this 12th day of May 1988.

FOR THE NUCLEAR REGULATORY COMMISSION



Walter Butler, Director  
Project Directorate I-2  
Division of Reactor Projects I/II  
Office of Nuclear Reactor Regulation



UNITED STATES NUCLEAR REGULATORY COMMISSION

PENNSYLVANIA POWER & LIGHT COMPANY

DOCKET NO. 50-388

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NO SIGNIFICANT IMPACT

5/12/82

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Dated at Rockville, Maryland, this 12th day of May 1988.

FOR THE NUCLEAR REGULATORY COMMISSION



Walter Butler, Director  
Project Directorate I-2  
Division of Reactor Projects I/II  
Office of Nuclear Reactor Regulation

May 12, 1988

DOCKET NO. 50-387/388

MEMORANDUM FOR: Rules and Procedures Branch  
Division of Rules and Records  
Office of Administration

FROM: Office of Nuclear Reactor Regulation

SUBJECT: SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2  
PENNSYLVANIA POWER AND LIGHT COMPANY

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.
- 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.
- Other: \_\_\_\_\_

Office of Nuclear Reactor Regulation

Enclosure:  
As stated

Contact: M. O'Brien  
Phone: 21424

OFFICE	PDI-2/EA						
NAME	MO'Brien						
DATE	5/12/88						