

June 24, 1986

Docket No. 50-334

Mr. J. J. Carey, Vice President
Nuclear Group
Duquesne Light Company
Post Office Box 4
Shippingport, PA 15077

Dear Mr. Carey:

Subject: Issuance of Amendment (Licensing Action TAC 60621)N. Thompson, DHFT

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The Commission has issued the enclosed Amendment No.103 to Facility Operating License No. DPR-66 for the Beaver Valley Power Station, Unit No. 1. The amendment consists of the balance of changes to the Technical Specifications in response to your application dated January 24, 1986; other changes were addressed by Amendment No. 101.

The amendment changes the Technical Specifications for Beaver Valley Unit No. 1 to clarify the Modes 5 and 6 charging pump surveillance requirements. Only the charging pump is capable of inadvertently overpressurizing the reactor vessel; the surveillance specification is thus clarified to refer only to the charging pump, not other pumps.

A copy of the related Safety Evaluation is enclosed. The Notice of Issuance will be included in the Commission's next regular bi-weekly Federal Register notice.

Sincerely,

/s/

Peter S. Tam, Project Manager
PWR Project Directorate #2
Division of PWR Licensing-A

Enclosures:

1. Amendment No.103 to DPR-66
2. Safety Evaluation

cc w/enclosures:

See next page

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DM Miller
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PM:PAD#2
PTam
6/3/86

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L Rubenstein
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OELD
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Mr. J. J. Carey
Duquesne Light Company

Beaver Valley 1 Power Station

cc:

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

DUQUESNE LIGHT COMPANY

OHIO EDISON COMPANY

PENNSYLVANIA POWER COMPANY

DOCKET NO. 50-334

BEAVER VALLEY POWER STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 103
License No. DPR-66

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Duquesne Light Company, Ohio Edison Company, and Pennsylvania Power Company (the licensees) dated January 24, 1986 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-66 is hereby amended to read as follows:

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(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 103, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This amendment is effective on issuance, to be implemented no later than 30 days after issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

Daniel McDonald

Acting
for Lester S. Rubenstein, Director
PWR Project Directorate #2
Division of PWR Licensing-A

Attachment:
Changes to the Technical
Specifications

Date of Issuance: June 24, 1986

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. TO FACILITY OPERATING LICENSE NO. DPR-66

DOCKET NO. 50-334

Revise Appendix A as follows:

Remove Pages

Insert Pages

3/4 1-11

3/4 1-11

REACTIVITY CONTROL SYSTEMS

CHARGING PUMP SHUTDOWN

LIMITING CONDITION FOR OPERATION

3.1.2.3 One charging pump in the boron injection flow path required by Specification (3.1.2.1) or Low Head Safety Injection Pump (with an open reactor coolant system vent of greater than or equal to 3.14 square inches) shall be OPERABLE and capable of being powered from an OPERABLE emergency bus.

APPLICABILITY: MODES 5 and 6

ACTION:

With none of the above pumps OPERABLE, suspend all operations involving CORE ALTERATIONS or positive reactivity changes until one charging pump or Low Head Safety Injection pump is restored to OPERABLE status.

SURVEILLANCE REQUIREMENTS

4.1.2.3.1 The above required charging pump shall be demonstrated OPERABLE at least once per 31 days by:

- a. Starting (unless already operating) the pump from the control room,
- b. Verifying, that on recirculation flow, the pump develops a discharge pressure of ≥ 2402 psig, and
- c. Verifying pump operation for at least 15 minutes.

4.1.2.3.2 All charging pumps, except the above required charging pump, shall be demonstrated inoperable at least once per 12 hours by verifying that the control switches are placed in the PULL-TO-LOCK position and tagged.

4.1.2.3.3 When the Low Head Safety Injection pump is used in lieu of a charging pump, the Low Head Safety Injection pump shall be demonstrated OPERABLE by:

- a. Verification of an operable RWST pursuant to 4.1.2.7
- b. Verification of an operable Low Head Safety Injection Pump pursuant to Specification 4.5.2.b.2,
- c. Verification of power available* to MOV-1SI-890C with the plug inserted in its control circuit and an operable Low Head Safety Injection flow path from the RWST to the Reactor Coolant System once per shift, and
- d. Verification that the vent is open at least once per 12 hours.**

* Emergency backup power need not be available

** Except when the vent path is provided with a valve which is locked or provided with remote position indication, or sealed, or otherwise secured in the open position, then verify these valves open at least once per 7 days.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 103 TO FACILITY OPERATING LICENSE NO. DPR-66

DUQUESNE LIGHT COMPANY

OHIO EDISON COMPANY

PENNSYLVANIA POWER COMPANY

BEAVER VALLEY POWER STATION, UNIT NO. 1

DOCKET NO. 50-334

Introduction

By letter dated January 24, 1986 Duquesne Light Company (DLC) requested that, among other things, the surveillance requirement in Section 4.1.2.3.2 be clarified. The nature and review of the clarification, are as follows: (Other items contained in the same letter were addressed in Amendment No. 101)

Discussion Evaluation

The intent of surveillance requirement 4.1.2.3.2 is to allow only one operable charging pump when in Modes 5 and 6 to limit the sources of high pressure injection which could inadvertently overpressurize the reactor coolant system (RCS) during modes of low temperature operation. This is in accordance with the NRC safety evaluation on overpressure protection dated April 4, 1983. However, as currently written, this requirement also limits the operability of the low head safety injection (LHSI) pumps. Specifically, the surveillance requirement currently requires that all charging and LHSI pumps, except the one pump required to be "operable," be demonstrated inoperable.

In its January 24, 1986 letter, Duquesne Light Company proposed to remove the LHSI pumps from the surveillance requirement. DLC affirms that the shutoff head pressure (178 psig) for the LHSI pump is below the setpoint (350 psig) for low-temperature overpressure protection of the RCS. Therefore, deletion of the surveillance requirement on the LHSI pumps (i.e., deletion of the inoperability demonstration) would not lead to the above overpressurization concern.

We have reviewed the requested change, recognizing that (1) the operation of the LHSI pumps is periodically needed to demonstrate diesel generator emergency load capability, and (2) the LHSI pumps are physically not capable of inadvertently overpressurizing the RCS. We find the requested change as described above acceptable.

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Environmental Consideration

This amendment involves a change in the installation, use, or surveillance of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR Sec 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Dated: June 24, 1986

Principal Contributors:

Angie Gilbert