



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

JUL 2 1984

MEMORANDUM FOR: James R. Miller, Chief
Operating Reactors Branch No. 3
Division of Licensing

FROM: B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing

SUBJECT: REQUEST FOR PUBLICATION IN MONTHLY FR NOTICE - NOTICE
OF CONSIDERATION OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE AND PROPOSED NO SIGNIFICANT HAZARDS
CONSIDERATION DETERMINATION AND OPPORTUNITY FOR A HEARING

Pennsylvania Power & Light Company, Docket No. 50-388, Susquehanna Steam
Electric Station Unit 2, Luzerne County, Pennsylvania

Date of amendment request: May 15, 1984

Description of amendment request: The proposed amendment would change
Technical Specifications 3.4.1.1, 3.10.4, Bases 3/4.4.1 and add a new Tech-
nical Specification 4.4.1.1.4 and Figure 3.4.1.1-1 to resolve the BWR Core
Thermal Hydraulic Stability issue discussed in General Electric Service
Information Letter (GE-SIL) No. 380, Revision 1, dated February 10, 1984.
Specifically, Technical Specification 3.4.1.1 would be changed from "Two
reactor coolant system recirculation loops shall be in operation." to read
"Two reactor coolant system recirculation loops shall be in operation and:
a. total core flow shall be greater than or equal to 45 million lbs/hr, or
b. THERMAL POWER shall be less than or equal to the limit specified in Figure
3.4.1.1-1." ACTION a. would be changed from "...recirculation loop not
in operation, be in at least HOT SHUTDOWN..." to read "...recirculation loop
not in operation, immediately initiate an orderly reduction of THERMAL POWER

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to less than or equal to the limit specified in Figure 3.4.1.1-1, and be in at least HOT SHUTDOWN...". ACTION b. would be changed from "...recirculation loops in operation, immediately initiate measures..." to read "...recirculation loops in operation, immediately initiate an orderly reduction of THERMAL POWER to less than or equal to the limit specified in Figure 3.4.1.1-1, and initiate measures...". A new ACTION c. would be added to read "With two reactor coolant system recirculation loops in operation and total core flow less than 45 million lbs/hr and THERMAL POWER greater than the limit specified in Figure 3.4.1.1-1: 1. reduce THERMAL POWER to less than or equal to the limit specified in Figure 3.4.1.1-1, or 2. increase core flow to greater than 45 million lbs/hr, or 3. determine the APRM and LPRM*** neutron flux noise levels within 1 hour, and: a) if the APRM and LPRM*** neutron flux noise levels are less than three times their established baseline levels, continue to determine the noise levels at least once per 8 hours and within 30 minutes after the completion of a THERMAL POWER increase of at least 5% of RATED THERMAL POWER, or b) if the APRM or LPRM*** neutron flux noise levels are greater than or equal to three times their established baseline levels, immediately initiate corrective action and restore the noise levels within the required limits within 2 hours by increasing core flow to greater than 45 million lbs/hr, and/or by initiating an orderly reduction of THERMAL POWER to less than or equal to the limit specified in Figure 3.4.1.1-1." The associated footnote would read "***Detectors A and C of one LPRM string per core octant plus detectors A and C of one LPRM string in the center of the core should be monitored."

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A new Technical Specification 4.4.1.1.4 would be added to read "Establish a baseline APRM and LPRM*** neutron flux noise value at a point within 5% RATED THERMAL POWER of the 100% rated rod line with total core flow between 35% and 50% of rated total core flow during startup testing following each refueling outage." A new Figure 3.4.1.1-1, Thermal Power Limitations, would be added. This figure establishes a limit on core thermal power (% rated) as related to core flow (% rated).

Technical Specification 3.10.4 would be modified to delete the phrase "...that recirculation loops be in operation..." to avoid possible future confusion with the proposed changes in Technical Specification 3.4.1.1.

On page B 3/4 4-1, a new paragraph would be added to 3/4.4.1 RECIRCULATION SYSTEM between the first and second paragraphs. The new paragraph would read "THERMAL POWER, core flow, and neutron flux noise level limitations are prescribed in accordance with the recommendations of General Electric Service Information Letter No. 380, Revision 1, "BWR Core Thermal Hydraulic Stability", dated February 10, 1984."

Basis for proposed no significant hazards consideration determination:

The Commission has provided guidance concerning the application of the no significant hazards consideration standards by providing certain examples (48 FR 14870). One of the examples of actions not likely to involve a significant hazards considerations, example (ii), relates to a change that constitutes an additional limitation, restriction, or control not presently

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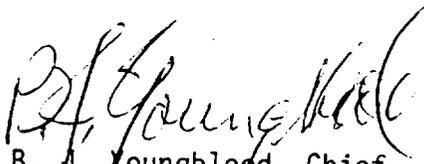
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included in the technical specifications. The changes to Technical Specifications 3.4-1.1, and the addition of Technical Specification 4.4.1.1.4 and Figure 3.4.1.1-1 are changes which constitute an additional limitation, restriction or control not presently included in the technical specifications, and therefore, the NRC staff proposes to find that these changes do not involve a significant hazards consideration. Another example of actions not likely to involve a significant hazards considerations, example (i), relates to a purely administrative change to technical specifications to achieve consistency throughout the technical specifications, correction of an error, or a change in nomenclature. The NRC staff proposes to find the changes to Technical Specification 3.10.4 and Bases 3/4.4.1 are purely administrative changes, and therefore, do not involve a significant hazards consideration.

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Attorney for licensee: Jay Silberg, Esquire, Shaw, Pittman, Potts & Trowbridge, 1800 M. Street N.W., Washington, D. C. 20036

NRC Branch Chief: B. J. Youngblood


B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing

cc: R. Perch
M. Rushbrook
P. Kreutzer

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NRC Branch Chief: B. J. Youngblood

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B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing

cc: R. Perch
M. Rushbrook
P. Kreutzer

CONCURRENCES: *See previous concurrences
*DL:LB#1 *DL:LB#1 *OELD DL #1
RPerch:es MRushbrook Goldberg BYoungblood
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