



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

09 SEP 1986

MEMORANDUM FOR: Sholly Coordinator

FROM: Vincent Noonan, Director  
PWR Project Directorate #5  
Division of PWR Licensing-A

SUBJECT: REQUEST FOR PUBLICATION IN BIWEEKLY 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

Commonwealth Edison Company, Docket No. STN-50-454, Byron Station, Unit 1,  
Ogle County, Illinois

Date of amendment request: August 13, 1986

Description of amendment request: The amendment would revise Technical  
Specification Section 3/4.7.5 on pages 3/4 7-13 and 3/4 7-14 to replace  
"86% of total volume" with "50%" for the water level in the ultimate heat sink  
(UHS) cooling tower basis.

The minimum water volume in the basin is not being changed by this amendment. The licensee intends to replace the existing instrument with an instrument with greater range; therefore, 86% on the old instrument corresponds exactly with 50% on the new instrument. The licensee wants to use an instrument with greater range so that the physical water level in the basin can be increased and still be read on the instrument. The increased water level, which is above the 100% reading of the existing instrument, is desirable because it provides more margin to the level at which the essential service water diesel driven pumps receive an auto start signal.

It is the staff's intention to apply this amendment to Byron Station, Unit 2, when it receives its operating license if the amendment is found acceptable for Byron Station, Unit 1.

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Basis for proposed no significant hazards consideration determination:

The staff has evaluated this proposed amendment and determined that it involves no significant hazards considerations. In accordance with the criteria of 10CFR 50.92(c), the proposed amendment does not:

- (1) Involve a significant increase in the probability or consequences of an accident previously evaluated because the proposed amendment does not alter the actual minimum water level of the Ultimate Heat Sink (UHS) cooling tower basin. The amendment merely revises the instrument indication in the control room for 873.75 feet Mean Sea Level (MSL) to read 50%. Changing the instrument indication to a different reference point does not increase the probability or consequences of a previously evaluated accident.
- (2) Create the possibility of a new or different kind of accident from any accident previously evaluated because:
  - (a) the proposed amendment does not allow any new equipment or modes of operation which could initiate a new or different kind of accident from any previously evaluated because the actual minimum volume of water in the UHS cooling towers is not being changed. The change pertains only to instrumentation indication; therefore the possibility is unaltered.
  - (b) this is an administrative change which would merely change the control room indication for the UHS cooling towers to 50% when at 873.75 feet MSL. This change will allow operation above the minimum level without a constant high level alarm.

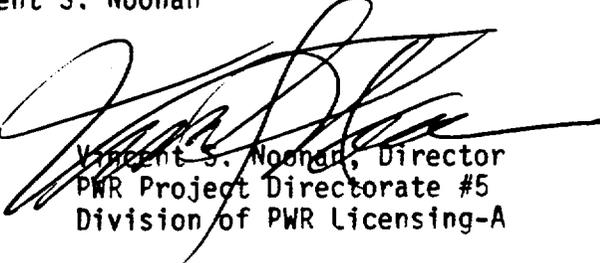
- (3) Involve a significant reduction in the margin of safety, because there are no hardware changes associated with this proposed license amendment, nor in the manner that the UHS cooling towers are being operated. For these reasons, there is no reduction in the margin of safety as a result of the proposed license amendment.

Based on the preceding assessment, the staff proposes to determine that this proposed amendment involves no significant hazards consideration.

Local Public Document Room location: Rockford Public Library, 215 N. Wyman Street, Rockford, Illinois 61103

Attorney for licensee: Michael Miller, Isham, Lincoln & Beal, One First National Plaza, 42nd Floor, Chicago, Illinois 60603

NRC Project Director: Vincent S. Noonan



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