

January 5, 2001

MEMORANDUM TO: Biweekly Notice Coordinator

FROM: Richard J. Laufer, Project Manager, Section 2 */RA/*
Project Directorate II
Division of Licensing Project Management

SUBJECT: REQUEST FOR PUBLICATION IN BI-WEEKLY FR NOTICE -
NOTICE OF CONSIDERATION OF ISSUANCE OF AMENDMENT
TO FACILITY OPERATING LICENSE, PROPOSED NO
SIGNIFICANT HAZARDS CONSIDERATION DETERMINATION,
AND OPPORTUNITY FOR A HEARING (TAC NO. MB0783)

Carolina Power & Light Company, et al., Docket No. 50-400, Shearon Harris

Nuclear Power Plant, Unit 1, Wake and Chatham Counties, North Carolina

Date of amendment request: December 13, 2000

Description of amendment request: The proposed amendment would revise Harris Nuclear Plant (HNP) Technical Specification (TS) 3/4.9.2 "Refueling Operations – Instrumentation" and the associated Bases to permit using alternate installed detectors or temporary source range detectors instead of the two Source Range Nuclear Flux Monitors specified in the current HNP TS.

Basis for proposed no significant hazards consideration determination: As required by 10 CFR 50.91(a), the licensee has provided its analysis of the issue of no significant hazards consideration, which is presented below:

1. The proposed amendment does not involve a significant increase in the probability or consequences of an accident previously evaluated.

This change only involves reactor core monitoring requirements during Mode 6. These monitoring requirements are not credited for accident mitigation. Alternate monitors will be provided with the accuracy and sensitivity required to adequately monitor changes in the core reactivity levels during refueling activities. Neutron Flux monitors are for indication only and do not interface with other structures, systems, or components that might initiate an accident.

Therefore, the proposed amendment does not involve a significant increase in the probability or consequences of an accident previously evaluated.

2. The proposed amendment does not create the possibility of a new or different kind of accident from any accident previously evaluated.

Neutron Flux monitors are for indication only and do not interface with other structures, systems, or components that might initiate an accident. The proposed change will not modify plant systems or operate plant components such that a new or different accident scenario is created.

Therefore, the proposed change does not create the possibility of a new or different kind of accident from any accident previously evaluated.

3. The proposed amendment does not involve a significant reduction in the margin of safety.

Similar changes, to the proposed change, have been approved at the Beaver Valley Power Station and the Diablo Canyon Power Plant. The proposed change will maintain adequate monitoring of core reactivity in Mode 6. The proposed change maintains requirements for two operable neutron flux monitors. Neutron flux monitors are not credited in the HNP accident analyses for accident mitigation in Mode 6.

Therefore, the proposed change does not involve a significant reduction in the margin of safety.

The NRC staff has reviewed the licensee's analysis and, based on this review, it appears that the three standards of 10 CFR 50.92(c) are satisfied. Therefore, the NRC staff proposes to determine that the amendment request involves no significant hazards consideration.

Attorney for licensee: William D. Johnson, Vice President and Corporate Secretary,
Carolina Power & Light Company, Post Office Box 1551, Raleigh, North Carolina 27602
NRC Section Chief: Richard P. Correia

2. The proposed amendment does not create the possibility of a new or different kind of accident from any accident previously evaluated.

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