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MR R W REIDFROM: CAROLINA POWER & LIGHT CO
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DESCRIPTION

LTR RE THEIR 5-13-76 LTR.....FURN ADDITIONAL
INFO REGARDING TECH SPEC CHANGE REQUEST ON
F(Z)S(Z) SURVEILLANCE.....

ENCLOSURE

ACKNOWLEDGED

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PLANT NAME: H. B. Robinson #2

(2 pg)

SAFETY

FOR ACTION/INFORMATION

ENVIRO

7-20-76 RB

ASSIGNED AD:

BRANCH CHIEF: (6) REID

PROJECT MANAGER:

LIC. ASST.: (17) Ingram

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CONTROL NUMBER

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CP&L

Carolina Power & Light Company

FILE: NG-3514(R)



SERIAL: NG-76-974



Director of Nuclear Reactor Regulation
ATTN: Robert W. Reid, Chief
Operating Reactors Branch, No. 4
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

H. B. ROBINSON UNIT NO. 2
DOCKET NO. 50-263
LICENSE NO. DPR-23

ADDITIONAL INFORMATION REGARDING TECHNICAL SPECIFICATION
CHANGE REQUEST ON F(Z)S(Z) SURVEILLANCE

Dear Mr. Reid:

By letter of May 13, 1976, Carolina Power & Light Company (CP&L) requested a change to the H. B. Robinson Unit No. 2 Technical Specifications to make Section 4.11.2 consistent with Section 3.10.2.1.1 regarding applicability during physics tests and excore calibrations. The following information is provided to further clarify the intent and necessity of this request.

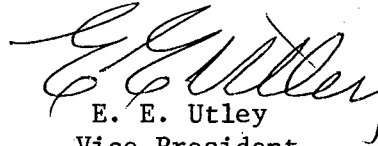
The change requested would modify Section 4.11.2 to provide for axial surveillance of F(Z)S(Z) except during physics tests and excore calibrations. This modification allows exceptions for the operation of the Axial Power Distribution Monitoring System (APDMS) which should be allowed in the interest of plant safety and performance.

The APDMS is an interim surveillance system and is supplemental to the constant axial offset control (CAOC) procedure that is defined in Section 3.10.2 of the Technical Specifications. APDMS utilizes two movable detectors from the Flux Mapping System to monitor selected thimbles in the reactor core for the determination of $F_0(Z)$. Typically, during certain physics tests and/or excore calibration, the complete Flux Mapping System including the detectors used for APDMS are utilized. Any requirement that would utilize the movable detectors of the Flux Mapping System for surveillance other than flux mapping, would prolong the physics tests and/or the excore calibration procedure. Prolonging the testing procedure would affect the xenon distribution that the CAOC procedure attempts to control. As stated in the basis for CAOC, on Page 3.10-12 of the Technical Specifications, "Strict control of the flux difference is not possible during certain physics tests, . . . , or during the required periodic excore calibration which requires larger flux differences than permitted." These exceptions for power distribution control are allowed due to the extremely low probability of a significant accident occurring during these operations.

July 12, 1976

The physics tests and excore calibrations are of short duration and are performed under controlled conditions. They are monitored by a trained reactor engineer stationed in the control room and will be terminated if any unsafe conditions or trends are noted.

Yours very truly,



E. E. Utley
Vice President
Bulk Power Supply

MFP/nja

cc: Mr. Norman C. Moseley