



SERIAL: HNP-01-073

United States Nuclear Regulatory Commission
ATTENTION: Document Control Desk
Washington, DC 20555

MAY - 7 2001

SHEARON HARRIS NUCLEAR POWER PLANT
DOCKET NO. 50-400/LICENSE NO. NPF-63
SPECIAL REPORT – 30-DAY REPORT PER TECHNICAL SPECIFICATION 3/4.2.4
“QUADRANT POWER TILT RATIO”

Dear Sir or Madam:

In accordance with Harris Nuclear Plant (HNP) Technical Specification 3/4.2.4 Bases, Carolina Power and Light Company provides this special report. This report is notification of the use of alternate movable incore detector thimble locations for the purposes of monitoring QUADRANT POWER TILT RATIO (QPTR) in accordance with Technical Specification 3/4.2.4. The bases for this Technical Specification reads as follows:

“For purposes of monitoring QUADRANT POWER TILT RATIO when one excore detector is inoperable, the movable incore detectors are used to confirm that the normalized symmetric power distribution is consistent with the QUADRANT POWER TILT RATIO. The incore detector monitoring is done with a full incore flux map or two sets of four symmetric thimbles. The preferred sets of four symmetric thimbles is a unique set of eight detector locations. These locations are C-8, E-5, E-11, H-3, H-13, L-5, L- 11, N-8. If other locations must be used, a special report to NRC should be submitted within 30 days in accordance with 10CFR50.4.”

On April 11, 2001, the Harris Plant determined that it was necessary to apply the guidance in this Technical Specification bases. HNP found it necessary to use the alternate symmetric thimble locations to perform QPTR determination via flux mapping due to an inability to use two of the designated paths identified in the TS bases above. Flux mapping was necessary due to maintenance on Nuclear Instrument N-42 that prohibited the normal QPTR determination. This report satisfies the requirement to report the election to use the alternate thimble locations in accordance with the bases of the HNP Technical Specification 3/4.2.4.

If you have questions or need additional information regarding this report, please contact Mr. E. A. McCartney at (919) 362-2661.

Sincerely,

Harris Nuclear Plant
5413 Shearon Harris Road
New Hill, NC 27562


R.J. Field
Manager, Regulatory Affairs
Harris Nuclear Plant



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Enclosure

c: Mr. J. B. Brady (NRC Senior Resident Inspector, HNP)
Mr. Rich Laufer (NRR Project Manager, HNP)
Mr. L. A. Reyes (NRC Regional Administrator, Region II)