

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

SUBJECT: Forwards Cycle 9 to COLR. Summary of changes to COLR are contained in encl 1.

NOTES:Application for permit renewal filed.

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Carolina Power & Light Company
PO Box 165
New Hill NC 27562

James Scarola
Vice President
Harris Nuclear Plant

NOV - 3 1998

SERIAL: HNP-98-166

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

SHEARON HARRIS NUCLEAR POWER PLANT
DOCKET NO. 50-400/LICENSE NO. NPF-63
CYCLE 9 CORE OPERATING LIMITS REPORT

Dear Sir or Madam:

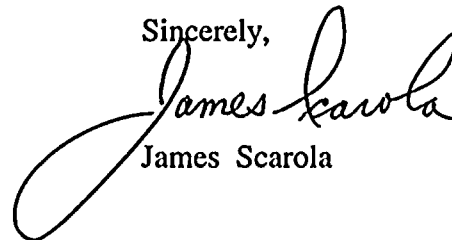
In accordance with Technical Specifications (TS) 6.9.1.6.4, Carolina Power & Light Company (CP&L) hereby submits the Harris Nuclear Plant (HNP) Cycle 9 Core Operating Limits Report (COLR).

This COLR revision incorporates changes necessary as a result of Cycle 9 core changes. A summary of the COLR changes is contained in Enclosure 1. Enclosure 2 contains a copy of the Cycle 9 COLR.

In addition to the Cycle 9 COLR revision, HNP is correcting previous information submitted to the staff with regards to the Cycle 8 COLR, Revision 1. By letter dated September 21, 1998, HNP reported that the previous Moderator Temperature Coefficient (MTC) Surveillance Limit of -36.4 pcm/F was calculated using an analytical method that was not specifically reviewed and approved by the NRC. Additional research has determined that the original Cycle 8 MTC Surveillance Limit values were in fact, calculated in accordance with NRC approved methodologies. This incorrect information was caused by an internal mis-communication which has been resolved. HNP regrets any inconvenience to the NRC caused by erroneous information contained in the September 21, 1998 letter. The MTC Surveillance Limit included in the Cycle 9 COLR supersedes these previous versions.

Please refer any questions regarding this submittal to Mr. J. H. Eads at (919) 362-2646.

Sincerely,



James Scarola

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MSE/mse
Enclosures:

1. Summary of Cycle 9 COLR Changes
2. Copy of the Cycle 9 COLR

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PDR ADDCK 05000440
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c: Mr. J. B. Brady, NRC Sr. Resident Inspector
Mr. Mel Fry, Acting Director, N.C. DEHNR
Mr. S. C. Flanders, NRC Project Manager
Mr. L. A. Reyes, NRC Regional Administrator

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SUMMARY OF CYCLE 9 COLR REVISIONS

<u>Section</u>	<u>Description of Change</u>
2.2	Revised MTC Surveillance Limit from -37.65 pcm/°F to -37.8 pcm/°F.
2.3	Revised the Shutdown Rod Insertion Limit from 225 steps to 222 steps.
2.4	Revised the Control Rod Insertion Limit from 225 steps to 222 steps.
2.6	Changed the maximum cycle energy of the V(Z) curve description from 513 EFPD to 489 EFPD.
2.8	Boron Concentration for refueling changed from greater than or equal to 2300 ppm to greater than or equal to 2217 ppm.
4.1	At the beginning of the cycle, increased the requirement for the total number of detector thimbles required from 38 to 45. Additionally, at the beginning of the cycle, specified that detector thimbles be operable at either location J-10 or L-14. A detector thimble at one of the following locations must also be operable at the beginning of the cycle, N-5, H-6, or J-7.
Figure 2	Changed Figure 2 to reflect new rod parked position from 225 to 222 steps.
Figure 5	Changed Figure 5 to reflect new V(Z) curve.

ENCLOSURE 2 TO SERIAL: HNP-98-166

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Attachment 9 to HNP Procedure PLP-106,
"Technical Specification Equipment List Program and
Core Operating Limits Report," Rev. 19