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*See Rpt.*

SUBJECT: Forwards Rev 0 to Procedure HNP-IST-002, "Shearon Harris Nuclear Power Plant, IST Program Plan - 2nd Interval." Plan describes tests required to verify operational readiness of Class 1, 2 & 3 pumps & valves.

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William R. Robinson  
 Vice President  
 Harris Nuclear Plant

SERIAL: HNP-98-011  
 10 CFR 50.55a

JAN 27 1998

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  
 INSERVICE TEST PROGRAM PLAN - SECOND TEN-YEAR INTERVAL**

Dear Sir or Madam:

In accordance with 10 CFR 50.55a(f)(5)(i), Carolina Power & Light Company (CP&L) hereby submits the Harris Nuclear Plant (HNP) Inservice Testing (IST) Program Plan for the second ten-year interval. The second ten-year interval will be in effect from February 2, 1998 through and including May 1, 2007. The IST Program Plan has been prepared in accordance with the requirements of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, Division 1, of the 1989 Edition, as required by 10 CFR 50.55a(f)(4)(ii). The Plan describes the tests required to verify the operational readiness of Class 1, 2 and 3 pumps and valves that are required to shut down the reactor to the cold shutdown condition, maintain the reactor in the cold shutdown condition, or mitigate the consequences of an accident.

The enclosed IST Program Plan includes the following four relief requests which require NRC approval, pursuant to 10 CFR 50.55a: pump relief request AF-PR1 (Section 4.4 of the Plan), and valve relief requests CB-VR1, CE-VR1, and IA-VR1 (Section 5.4 of the Plan). In addition, Section 5.4 of the Plan includes the following five valve relief requests which are approved for use as specified in NRC Generic Letter 89-04, "Guidance on Developing Acceptable Inservice Test Programs:" CC-VR1, CC-VR2, CT-VR1, MS-VR1, and SI-VR1.

The enclosed Program Plan also contains valve test deferral justifications, as allowed by the ASME Code (OMa-1988, Part 10, paragraphs 4.2.1.2 and 4.3.2.2). Cold Shutdown Justifications are presented in Section 5.5 of the Plan and Refueling Outage Justifications are presented in Section 5.6 of the Plan. These test deferrals comply with the recommendations of NUREG-1482, "Guidelines for Inservice Testing at Nuclear Power Plants," where applicable.

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One significant change in the testing requirements involved the addition of valves in the second ten-year interval IST Program that were not part of the first interval IST Program. During preparation of the second interval Plan, an engineering review identified testing requirements for valves that were not included in the first interval IST Program. Operability determinations have demonstrated that these valves were capable of performing their design functions. The inclusion of these valves in the second interval IST Program will continue to ensure their operational readiness.

Questions regarding this matter may be referred to Mr. J. H. Eads at (919) 362-2646.

Sincerely,



AEC/aec

Enclosure

- c: Mr. J. B. Brady (NRC Senior Resident Inspector, HNP)
- Mr. L. A. Reyes (NRC Regional Administrator, Region II)
- Mr. S. C. Flanders (NRR Project Manager, HNP)
- Mr. E. B. Dayton (Authorized Nuclear Inservice Inspector)
- Mr. J. M. Given, Jr. (State of North Carolina)



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