

March 10, 1997

Mr. W. R. Robinson, Vice President
Shearon Harris Nuclear Power Plant
Carolina Power & Light Company
Post Office Box 165 - Mail Code: Zone 1
New Hill, North Carolina 27562-0165

SUBJECT: SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1 - REQUEST FOR APPROVAL TO
USE ASME CODE CASE N-522 (TAC NO. M96533)

Dear Mr. Robinson:

On September 9, 1996, as supplemented January 24, 1997, the Carolina Power & Light Company (CP&L) requested relief from performing certain examinations at Shearon Harris Nuclear Power Plant, Unit 1 (SHNPP). In place of certain system pressure tests required by the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, CP&L proposed the alternative to use ASME Code Case N-522 in conjunction with two proposed provisions, i.e., 1) the tests shall be conducted at maximum containment calculated pressure (Pa), and 2) when using air or gas as testing medium, the test procedures shall include methods for locating and detecting through-wall leakage in components of the system being tested.

On the basis of the enclosed Safety Evaluation, the relief request is authorized through the end of the second 10-year inservice inspection interval. Code Case N-522 has not been endorsed in Regulatory Guide 1.147, Rev. 11, and thus the use of ASME Code Case N-522 is authorized until such time when it is endorsed in a future revision of Regulatory Guide 1.147. At that time, if a licensee intends to continue to implement this Code Case, it must follow all its provisions in Code Case N-522, with the limitations issued in Regulatory Guide 1.147, if any.

If you have any questions, please contact your NRR Project Manager, Mr. N. B. Le, at 301-415-1458.

Sincerely,
(Original Signed By)
Mark Reinhart, Acting Director
Project Directorate II-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket No. 50-400
Enclosure: Safety Evaluation
cc w/enclosure:
See next page

DOCUMENT NAME: G:\HARRIS\HAR96533.RLF (*See SER memo dated 2/19/97 from
ECGB's GBagchi to PDII-1's Reinhart)

OFFICE	PM:PDII-1	LA:PDII-1	ECGB*	OGC	D:PDII-1
NAME	NLe <i>ide</i>	Dunnington <i>ETD</i>	GBagchi	<i>15 Young</i>	MRReinhart
DATE	02/24/97	02/21/97	02/19/97	02/15/97	02/10/97
COPY	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No

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AA-3

1. *Chlorophyll a* (Chl *a*) is the primary photosynthetic pigment in most plants and algae. It is a green pigment that absorbs light energy in the blue and red regions of the visible spectrum.

[Faint handwritten notes]

Mr. W. R. Robinson
Carolina Power & Light Company

cc:

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Unit 1

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