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 ZIMMERMAN, S. R. Carolina Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 DENTON, H. R. Office of Nuclear Reactor Regulation, Director (post 851125)

SUBJECT: Submits addl info re conformance to 10CFR50.61, "Pressurized Thermal Shock." Source of copper & nickel values in FSAR Table 5.3.1-6 contained in certified test rept supplied by vessel fabricator, (Chicago Bridge & Iron).

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Abstract: Subsequent data refer to the performance of [Illegible] "pre-saturated thermal shock" curves of copper & nickel alloys in [Illegible] table 2.1.6 contained in certified test report supplied by [Illegible] (Chicago Bridge & Iron).

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Carolina Power & Light Company

JUL 31 1986

SERIAL: NLS-86-282

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, DC 20555

SHEARON HARRIS NUCLEAR POWER PLANT
UNIT NO. 1 - DOCKET NO. 50-400
PRESSURIZED THERMAL SHOCK

Dear Mr. Denton:

Carolina Power & Light Company hereby provides additional information regarding conformance to 10 CFR 50.61, Pressurized Thermal Shock.

1. The source of the copper and nickel values in FSAR Table 5.3.1-6 is the Certified Test Report supplied by the vessel fabricator (CBI - Chicago Bridge & Iron) and documented as part of the Materials Certification Report.
2. The values reported on the Certified Test Report were obtained from samples of the actual beltline material.

Plates: Amounts of residual elements in the beltline plate were measured from samples removed from actual beltline plates.

Welds: Samples were prepared using the same heat, lot, and flux as the materials used in the vessel welds.

The above information will be included in an FSAR amendment after fuel loading at SHNPP. If you have any questions on this subject, please contact Mr. James D. Kloosterman at (919) 836-8055.

Yours very truly,

S. R. Zimmerman
Manager

Nuclear Licensing Section

JDK/pgp (4030JDK)

cc: Mr. B. C. Buckley (NRC)
Mr. B. Elliot (NRC)
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