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SUBJECT: Advises of util intention to replace portions of SWS piping located inside reactor containment vessel.

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H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261/LICENSE NO. DPR-23
SERVICE WATER SYSTEM PIPING REPLACEMENT

Gentlemen:

As discussed during a conference call between Carolina Power & Light Company representatives and Messrs. R. Lo and R. Herman (NRR) on November 18, 1988, this is to advise you of our intention to replace the portions of the Service Water System piping, which is an ANSI B31.1 system, located inside the reactor containment vessel. The replacement piping is fabricated from Allegheny Ludlum AL6XN material, Alloy No. UNS N08367, manufactured/supplied in accordance with American Society of Mechanical Engineers (ASME) Code Case N-438 under a Quality Assurance/Control Program(s) complying with ASME Section III. Fabrication and installation of the AL6XN piping will be accomplished using the GTAW process, manual and/or automatic, by welding personnel and procedures qualified in accordance with ASME Section IX. Weld filler material will be Inconel Alloy 625, UNS N06625. Weld quality will be verified by visual inspection and by liquid penetrant inspection in accordance with ANSI B31.1. The AL6XN piping will be the same diameter and schedule as the original piping.

The use of AL6XN material was reviewed and approved for ASME Section III, Division 1, Class 2 and 3 construction on February 23, 1987, as documented in ASME Code Case N-438 titled "Fe-24.5 Ni-21 Cr-6.5 Mo-0.2N (Alloy UNS N08367) Seamless and Welded Pipe, Tube, Plate, Bar, Fittings and Forgings, Class 2 and 3 Construction, Section III, Division 1." The manufacture of the AL6XN piping and fittings is certified in accordance with the Code Case and with the ASME Code, as applicable, up to and/or including the 1987 Addenda.

The Service Water piping is being replaced due to extensive microbiological corrosion of the original material, Type 304 stainless steel. Replacement of the piping is currently underway during Refueling Outage No. 12, as discussed with the NRC Region II office in conference calls on September 15 and November 10, 1988. Carolina Power & Light Company understands that this material is also being used by Public Service Electric & Gas Company, Salem Plant, for a similar service water piping project.

411 Fayetteville Street • P. O. Box 1551 • Raleigh, N. C. 27602

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If you have any questions, please contact Mr. R. W. Prunty at (919) 836-7318.

Yours very truly,



L. I. Loflin
Manager

Nuclear Licensing Section

JSK/crs (120CRS)

cc: Mr. M. Ernst, Acting Regional Administrator
Mr. R. Lo
Mr. L. Garner (NRC - HBR)