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SUBJECT: Submits results of microbiological induced corrosion
 radiographic exam results, per R Lo request.

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H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
MICROBIOLOGICAL INDUCED CORROSION
RADIOGRAPHIC EXAMINATION RESULTS

Gentlemen:

Carolina Power and Light Company (CP&L) provides this submittal in response to a verbal request by your Mr. R. Lo, with regard to examination results of the growth of Microbiological Induced Corrosion (MIC) in the welds of the Service Water System piping. The results are from radiographic examinations of selected welds in July and October 1988.

	<u>July 1988</u> <u>Sampling</u>	<u>October 1988</u> <u>Sampling</u>
Original butt weld.....	0.41"/year.....	0.14"/year
Sleeve fillet weld.....	0.2"/year.....	0.1"/year
Sleeve longitudinal weld.....	0.1"/year.....	0.37"/year

The Service Water System piping located inside Containment which was ASTM A312 Type 304 stainless steel material has been replaced with AL6XN material piping.

Radiographic examination of a sample of the unsleeved Service Water System piping welds in the Reactor Auxiliary Building will continue on six month intervals rather than quarterly. The quarterly interval had been implemented to gain more information on MIC attack outside of sleeved welds, a concern raised because of the threat of MIC on Containment integrity, i.e., throughwall piping corrosion. Since the Containment Service Water piping has been replaced with the MIC-resistant material, this concern no longer exists.

Radiographic examination of a sample of Service Water System piping welds in Containment will be performed each Refueling Outage to verify that the MIC corrosion does not recur.

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The Service Water System piping located in the Reactor Auxiliary Building is scheduled for replacement during the 1990 Refueling Outage.

If you have any question concerning this submittal or the MIC examination program, please contact Mr. J. M. Curley, telephone (803) 383-1367.

Very truly yours,



R. E. Morgan
General Manager
H. B. Robinson S. E. Plant

DAS:bah

cc: Mr. M. L. Ernst
Mr. R. Lo
Mr. L. W. Garner
INPO