

Central File

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Mr. James P. O'Reilly, Director
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 3100
Atlanta, GA 30303

H. B. ROBINSON STEAM ELECTRIC PLANT UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
RESPONSE TO IE BULLETIN 79-03A

Dear Mr. O'Reilly:

In response to your letter of April 4, 1980, which requested licensees to determine whether SA312 or A312 fusion welded pipe was used in safety-related systems subject to design stresses greater than 85 percent of the Code allowable stresses, and supplementing Carolina Power & Light Company's (CP&L) letter of August 6, 1980, CP&L provides the following information:

The H. B. Robinson, Unit 2, original piping specifications were reviewed to determine those which permitted the use of welded A312 stainless steel pipe in safety related systems. The welded A312 pipe was also permitted for use in the manufacture of A403 fittings. Both A312 pipe and A403 fittings could be used at pressures up to 1575 psi and temperatures up to 650°F. For the purposes of this response welded A312 pipe is distinguished by the fact that it is autogenously welded, i.e., no filler metal was used in its manufacture.

A search through purchase documents associated with pipe and fittings, used in the construction of the plant and used in the modification to the original plant, was conducted. In the search of these purchase documents, if the method of manufacture, welded or seamless, was not specified or could not be determined, it was assumed to be welded.

Autogenously welded A312 pipe and/or A403 fittings were found in the following safety related systems:

Chemical and Volume Control
Waste Disposal
Safety Injection
Spent Fuel Pit Cooling
Residual Heat Removal

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As it was found that tracing each pipe and fitting to its actual location in the plant would be a lengthy task, it was decided to eliminate as many items as possible by stress analysis. Stress analyses revealed that none of the autogenously welded material was used at 85 percent of the allowable stress or higher.

We trust that this information satisfies the requests of IE Bulletin 79-03A. Should you have any questions regarding this information, please contact my staff.

Yours very truly,



B. J. Fuhr
Vice President
Nuclear Operations

DCS:kbb*

cc: Mr. Harold D. Thornburg