

Duke Power Company
P.O. Box 33198
Charlotte, N.C. 28242

Hal B. Tucker
Vice President
Nuclear Production
(704)373-4531



DUKE POWER

August 20, 1990

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Subject: McGuire Nuclear Station, Units 1 and 2
Docket Nos. 50-369 and 50-370
ASME Section XI Hydrostatic Testing Requirements
Relief Request No. 89-02, Revision

Gentlemen:

By letter dated February 16, 1989, we requested relief from ASME Section XI hydrostatic testing requirements pertaining to modifications planned for the McGuire Nuclear Service Water (RN) system. The NRC staff approved our request by letter dated June 29, 1989. Subsequent to your approval, and prior to our implementation of the modifications, changes to modifications MG-12243, Unit 1 and MG-22243, Unit 2 were necessary. By letter dated January 22, 1990 we revised our relief request to reflect the changes to the modification. By letter dated April 4, 1990 the NRC staff approved the revision.

In the original scope of the modifications, we planned to replace some carbon steel piping with stainless steel (SS) piping. In an effort to further reduce corrosion/erosion associated with carbon piping, we have made additional changes to the modifications that would replace a 20 inch carbon steel 90 degree elbow pipe with SS pipe. Additionally we plan to replace another straight section of 20 inch carbon pipe with SS pipe (see attached drawing for details). The connections will be made using groove welds. In lieu of hydrostatic testing, all welds in the modification will be subjected to a dye penetrant or magnetic particle examination on root pass and finished weld. An in-service leak test will further verify the new connections do not leak.

We request that NRC staff approval of our original Relief Request (No. 89-02) be extended to include the changes to modifications MG-22233 and MG-22243 as described. The original basis for our request for relief from hydrostatic testing is still valid. Hydrostatic testing is impractical due to the inadequacy of the test boundaries. The hydrostatic test boundary isolation valves include 36 inch, 20 inch, and 18 inch butterfly valves. These valves have a history of leakage and do not offer adequate isolation to permit a hydrostatic test.

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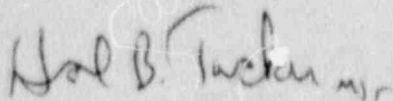
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Our Unit 2 refueling outage is scheduled to begin around September 1, 1990. Implementation of this modification is scheduled for this outage; therefore, we request approval of this revision prior to November 12, 1990. This date coincides with the current schedule for entering Mode 4.

Should there be any questions concerning this matter, please contact Steve LeRoy at (704) 373-6233.

Very truly yours,



Hal B. Tucker

SEL567

Attachment

xc: Mr. S.D. Ebner, Region II Administrator
U.S. Nuclear Regulatory Commission
101 Marietta St., NW, Suite 2900
Atlanta, GA 30323

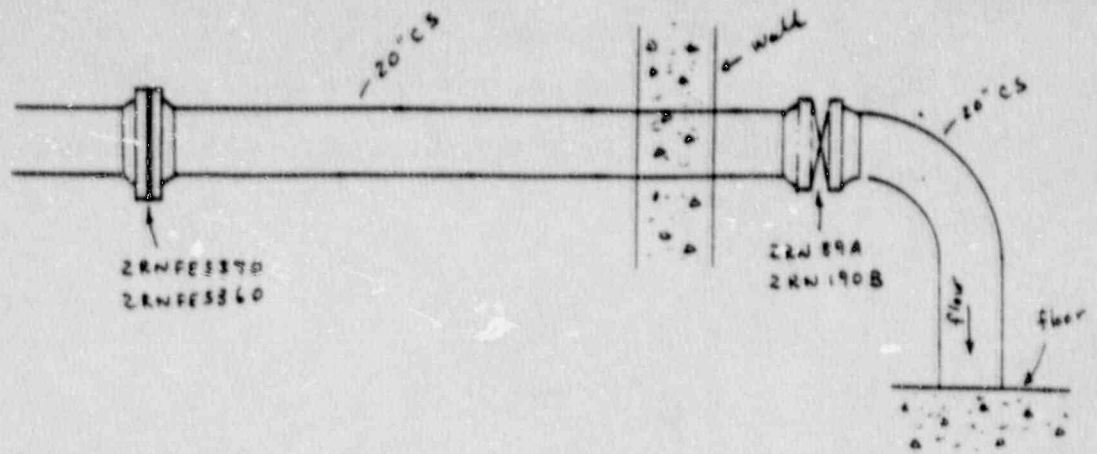
Mr. D.S. Hood, Project Manager
U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Washington, D.C. 20555

Mr. P.K. Van Doorn
NRC Senior Resident Inspector
McGuire Nuclear Station

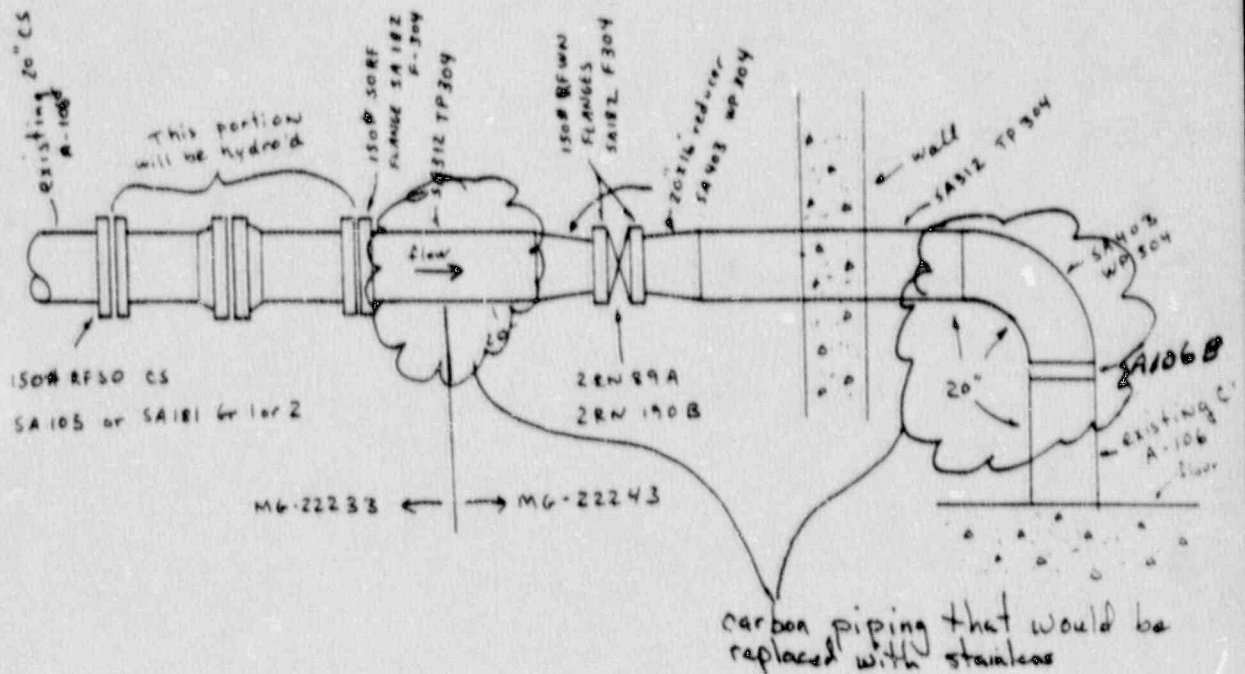
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xc: A.V. Carr - Legal
R.D. Broome - MNS
C.B. Cheezem - EC
R.C. Futrell
R.L. Gill
P.F. Guill
R.D. Klein - MNS (ANI)
R.O. Sharpe - MNS
McGuire QA Site Office Manager
McGuire DE Site Office Manager
MC-801.01

August 20, 1990
Attachment



Present Piping Configuration



Piping Configuration After Implementation
of MG-22233 Rev.0 and MG-22243 Rev.0
Station Modifications.