

400 Chestnut Street Tower II

June 13, 1980

Director of Nuclear Reactor Regulation  
Attention: Mr. L. S. Rubenstein, Acting Chief  
Light Water Reactors Branch No. 4  
Division of Project Management  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Dear Mr. Rubenstein:

In the Matter of the Application of ) Docket Nos. 50-327  
Tennessee Valley Authority ) 50-328

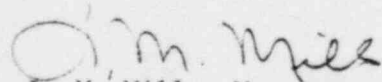
Enclosed for your review are proposed revisions to the Sequoyah Nuclear Plant Final Safety Analysis Report Question 5.9A on the inservice inspection program. These revisions are changes in the request for relief from ASME Section XI (Q5.9A - Exceptions 1, 5, 8) pursuant to 10 CFR 50.55a(g)(5). Exceptions 1, 5, and 8 cover third party inspectors, pressure retaining welds in piping, and steam generator nozzles, respectively.

The initial set of requests for relief from ASME Section XI test requirements (in response to S. A. Varga's letter to N. B. Hughes dated December 6, 1978) was transmitted to S. A. Varga by J. E. Gilleland's letter dated February 14, 1979. Amendment 66 will incorporate these revisions into Question 5.9A of the Sequoyah Nuclear Plant Final Safety Analysis Report.

If you have any questions, please get in touch with D. L. Lambert at FTS 857-2581.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

  
L. M. Mills, Manager  
Nuclear Regulation and Safety

Enclosure  
cc: See page 2

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Director of Nuclear Reactor Regulation

June 13, 1980

cc: Mr. C. E. Murphy, Chief (Enclosure)  
Reactor Construction and Engineering Support Branch  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Region II - Suite 3100  
101 Marietta Street  
Atlanta, Georgia 30303

Revised by Amendment

TABLE Q5.9A-1

EXCEPTION 1

This request for relief from Section XI  
requirements has been withdrawn.

TABLE Q5.9A-1  
(Continued)

EXCEPTION 5

I. Components

Class 1 and 2 pressure-retaining welds in piping.

II. Exception Taken

Volumetric examination of longitudinal, circumferential, and pipe branch connection welds (examination categories B-F, B-J, C-F, and C-G) will not be done for all welds from both sides.

III. Justification

In some cases it will be impractical to inspect all welds in accordance with Paragraph T-532 of Article 5, Section V, or the ASME code, i.e., nonremovable hanger interference or valve and pump casings adjoining the welds. These welds will be noted on the ultrasonic examination data sheets.

IV. Testing in Lieu of Section XI Requirements

In addition to the visual examination performed during system leakage and hydrostatic pressure tests, a "best effort" ultrasonic examination will be performed. Where there is interference or problems from one direction only, consideration will be given to performing an angle beam examination for  $2T +$  (greater than two wall thicknesses from one edge of weld) from the accessible side of the weld in order to examine the entire weld cross section.

TABLE Q5.9A-1  
(Continued)

EXCEPTION 8

I. Components

Steam generator nozzle.

II. Exception Taken

Volumetric examination of nozzle inside radius section on the primary side (examination category B-D) will not be made.

III. Justification

Each steam generator consists of two integrally cast nozzles. The present capability of ultrasonic testing is not sufficient to examine case material of this thickness and achieve meaningful results. (See figure Q5.9-7)

IV. Testing in Lieu of Section XI Requirements

None.