

**DUKE POWER COMPANY**

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April 25, 1985

Dr. J. Nelson Grace, Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

Subject: McGuire Nuclear Station, Unit 1  
Docket No. 50-369  
T. S. 3.7.8/6.9.2 Special Report - Snubber Deletion

Dear Dr. Grace:

The following is a Special Report submitted pursuant to Technical Specification 6.9.2 in fulfillment of the reporting provisions of T. S. 3.7.8 (Tables 3.7-4a and 3.7-4b). This report concerns deletion of certain Unit 1 steam generator blowdown recycle (BB) System safety related hydraulic and mechanical snubbers.

By my letter to Mr. H. R. Denton (NRC/ONRR) dated September 28, 1984 Duke Power Company submitted a proposed Technical Specification amendment concerning the Steam Generator Blowdown System Surveillance requirements. The hardware changes associated with the proposed Technical Specification amendment were to be implemented during the next refueling outages of McGuire units 1 and 2. This Technical Specification amendment was subsequently approved by the NRC on March 18, 1985 (amendment 41/22).

The modification of the Steam Generator Blowdown system involves removal of four motor operated isolation valves near the steam generators (1BB-140A thru 1BB-143A) along with their respective controls, instruments and leak-off lines. In addition, all Class F piping from the containment isolation valves to the steam generators will be upgraded to piping class B. New pipe routing is more direct and reduces the number of supports/restraints required for the Steam Generator Blowdown System. An evaluation of the safety significance of the proposed modification is provided in the September 28, 1984 submittal (and in the subsequent NRC March 18, 1985 SER).

Duke Power plans to implement the Steam Generator Blowdown System modification during the Unit 1 refueling outage currently underway. Attachment I provides a list of safety related snubbers included in T. S. Tables 3.7-4a and 3.7-4b which are being deleted by the McGuire Nuclear Station Modification (No. MG-11433). (The modification also involves addition/modification of various other snubbers). The pipe rerouting associated with this modification has been reanalyzed according to the applicable ASME codes to assure design adequacy. The stresses for the rerouted piping are within the allowed limits, assuming the removal of snubbers listed in Attachment I.

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A revision of Technical Specification Table 3.7-4a and 3.7-4b to reflect the modification will be included in an upcoming license amendment request in accordance with the requirements of the tables' footnotes.

Please feel free to contact us if you require any additional information.

Very truly yours,

*H.B. Tucker / HBT*  
Hal B. Tucker

PBN/mjf

Attachment

cc: (w/attachment)

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Attention: Ms. E. G. Adensam, Chief  
Licensing Branch No. 4

Mr. W. T. Orders  
NRC Resident Inspector  
McGuire Nuclear Station

## Attachment I

List of Deleted Safety Related Snubbers (Unit 1)  
Steam Generator Blowdown System

<u>Support No.</u>	<u>Number of Snubbers</u>	<u>Snubber Type</u>		<u>Snubber Size</u>
		<u>Mechanical (M)</u>	<u>Hydraulic (H)</u>	
1-MCR-BB-582	1	M		1x1500 #
- 590	1	H		1½x3000
- 594	1	M		½x650
- 596	1	M		½x650
- 597	1	M		½x650
- 599	1	M		½x650
- 600	1	M		½x650
- 601	1	M		½x650
- 603	1	M		½x650
- 604	1	M		½x650
- 605	1	M		½x650
- 606	1	M		½x650
- 609	1	M		1x1500
- 610	1	M		½x650
- 772	1	M		½x650
- 774	1	M		½x650
- 776	1	M		½x650
- 777	1	M		½x650
- 780	1	M		½x650
- 781	1	M		½x650
- 783	1	M		½x650
- 784	1	M		½x650
- 786	1	M		½x650

<u>Support No.</u>	<u>Number of Snubbers</u>	<u>Snubber Type Mechanical (M) Hydraulic (H)</u>	<u>Snubber Size</u>
1-MCR-BB -788	1	M	1/2x650 #
-790	1	M	1/2x650
-792	1	M	1/2x650
-794	1	M	1/2x650
-799	1	M	1/2x650
-H1	1	M	1/2x650
-713	1	H	1 1/2x3000
-714	1	H	1 1/2x3000
-725	1	M	1/2x650
-726	1	M	1/2x650
-727	1	M	1/2x650
-729	1	M	1/2x650
-730	1	M	1/2x650
-732	1	M	1/2x650
-733	1	M	1/2x650
-734	1	M	1/2x650
-735	1	M	1/2x650
-736	1	M	1/2x650
-738	1	M	1x1500
-739	1	M	1x1500
-H71	1	M	1/2x650
-658	1	M	1/2x650
-660	1	M	1/2x650
-661	1	M	1/2x650
-671	1	M	1/2x650
-672	1	M	1/2x650

<u>Support No.</u>	<u>Number of Snubbers</u>	<u>Snubber Type Mechanical (M) Hydraulic (H)</u>	<u>Snubber Size</u>
1-MCR-BB-673	1	M	1/2x650 #
- 675	1	M	1/2x650
- 676	1	M	1/2x650
- 678	1	M	1/2x650
- 680	1	M	1/2x650
- 681	1	M	1/2x650
- 683	1	M	1/2x650
- 670	1	M	1/2x650
- 690	1	M	1x1500
- 691	1	M	1x1500