

January 27, 1992

Docket Nos. 50-390
and 50-391

Mr. Dan A. Nauman
Senior Vice President, Nuclear Power
6N 38A Lookout Place
1101 Market Street
Chattanooga, Tennessee 37402-2801

Dear Mr. Nauman:

SUBJECT: WATTS BAR NUCLEAR PLANT - STAFF POSITION REGARDING
DUCTILITY RATIO CRITERIA FOR STRUCTURAL STEEL,
OUTSTANDING ISSUE 19(j) (TAC M79717)

By letters dated May 8, June 6, August 22, October 16 and November 27, 1991, TVA provided information to support its position regarding ductility ratio criteria for structural steel members. We have reviewed the submitted information and conclude that TVA's reliance on nonlinear analytical methods of modeling does not assure that the ductility ratio criteria will be consistent with the stress limits described in Standard Review Plan (SRP) Section 3.8.4. TVA should ensure that affected steel structural designs conform with the applicable load combinations and stress limits of SRP Section 3.8.4. For structural elements not conforming to the SRP Section 3.8.4 position, TVA should eliminate structural constraints(e.g. through provisions of slotted holes or gaps). The enclosed position paper provides details.

The status of Outstanding Issue 19(j) remains open pending TVA's proposed course of action.

Sincerely,

Original signed by
Peter S. Tam, Senior Project Manager
Project Directorate II-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosure:
Position paper

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cc w/enclosure:
See next page

	PDII-4/LA	PDII-4/PM	ESGB/BC	PDII-4/D
	MSanders <i>ms</i>	PTam <i>PT</i>	GBagchi	FHebdon
	<i>1/27/92</i>	<i>1/27/92</i>	<i>1/27/92</i>	<i>1/27/92</i>

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MAY

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cc:

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