

October 31, 1973

Mr. Norman C. Moseley, Director  
Region II  
Directorate of Regulatory Operations  
U.S. Atomic Energy Commission  
Suite 818  
230 Peachtree Street, N.W.  
Atlanta, Georgia 30303

TURKEY POINT UNIT NO. 3  
DOCKET NO. 50-250  
REINSPLCTION OF SEISMIC RESTRAINTS  
INSTALLED ON SAFETY RELATED SYSTEMS

Dear Mr. Moseley:

The reinspection of Unit No. 3 Bergen-Paterson seismic restraints in accordance with Regulatory Operations Bulletin No. 73-4 has been completed. Of the 51 Bergen-Paterson restraints installed on safety related systems, a total of five (5) were found to have lost hydraulic fluid. None of these restraints were ones which were installed as replacements during the July 27, 1973 to August 8, 1973 outage. During that outage none of the replacement restraints had been rebuilt. Disassembly of the five restraints showed that two of the units contained seals that were excessively soft and gummy, whereas two other units contained seals that were dry and brittle. The fifth unit contained seals which just showed evidence of being worn. The attached table provides a summary.

Four of the five restraints were replaced with rebuilt Bergen-Paterson units while the fifth restraint was replaced by a new unit of the same design. All of the replacement units were stroked prior to installation to demonstrate freedom of movement and ability to become rigid when subjected to rapid velocities.

Florida Power & Light Company and its engineer-constructor are currently considering alternate materials and alternate restraint designs and the AEC will be advised of the conclusions of this effort.

Very truly yours,

*for R.E. Uhrig*  
R.E. Uhrig  
Director of Nuclear Affairs

REU:HNP:dd

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*beginning 5/15/01*

TURKEY POINT UNIT NO. 3  
SUMMARY INFORMATION FOR SEISMIC RESTRAINTS  
THAT EXHIBITED LOSS OF FLUID

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<u>Location</u>	<u>HSSA-20-6</u>	<u>HSSA-10-6</u>	<u>HSSA-3-6</u>	<u>COMMENTS</u>
Pressurizer spray line; upper pres- surizer com- partment			1	Seal deterioration; some seals dry & brittle
Pressurizer relief line; upper pres- surizer com- partment		1		Seal deterioration; some seals were soft and gummy
Pressurizer relief line; outside pres- surizer com- partment		2		Seal deterioration; some seals of one unit were soft & gummy; other unit contained some dry & brittle seals
Main steam line in vicinity of auxiliary feed- water pumps	1			Seals showed evidence of being worn

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Letter from Florida Power and Light Company, R. E. Uhrig,  
dated October 31, 1973 - 50-250 - ROB 73-4

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