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New York Power Authority

John C. Brons
Executive Vice President
Nuclear Generation

February 26, 1991
JPN-91-008

U. S. Nuclear Regulatory Commission
Mail Station P1-137
Washington, D.C. 205

ATTENTION: Document Control Desk

SUBJECT: James A. FitzPatrick Nuclear Power Plant
Docket No. 50-333
Annual Report
Safety/Relief Valve Challenges and Failures

Dear Sir:

Technical Specification 6.9.A.2.b for the FitzPatrick plant requires that challenges to and failures of safety/relief valves (SRVs) be reported annually. Attachment I is a list of SRV challenges and failures which occurred between January 1, 1990 and December 31, 1990 at the FitzPatrick plant.

If you have any questions, please contact Mr. J. A. Gray, Jr.

Very truly yours,

John C. Brons

John C. Brons
Executive Vice President
Nuclear Generation

Attachments

cc: Listed on following page

A001
1/1

cc: U. S. Nuclear Regulatory Commission
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Mr. David LaBarge
Project Directorate I-1
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ATTACHMENT I to JPN-91- 008

SAFETY/RELIEF VALVE CHALLENGES AND FAILURES FOR 1990

New York Power Authority
James A. FitzPatrick Nuclear Power Plant
Docket No. 50-333
DPR-59

SAFETY/RELIEF VALVE CHALLENGES AND FAILURES FOR 1990

DATE	VALVE	SERIAL NUMBER	SETPOINT	REMARKS
3/19	02RV-71A 02RV-71B	1013 1111	1140 1140	No failures. Valves lifted on pressure demand following scram and main steam isolation.*
3/31	02RV-71A 02RV-71E 02RV-71F 02RV-71H 02RV-71L	1013 1080 1012 1110 1088	1140 1105 1140 1140 1090	No failures. Valves lifted on operator demand at approximately 940 psig during surveillance test ST-22B. This test satisfies TS 4.5.D.1.b.
6/15	02RV-71J	1045	1140	Pilot assembly failed setpoint lift test at contractor facility. Initial lift at 1167 psig (approximately 2.3% above nominal setpoint). See LER-90-018 for additional details.

* Lifting of 2 SRVs with a higher nominal setpoint before those with lower setpoints does not constitute a failure. The pressure transient associated with a steam line isolation (turbine trip or MSIV closure) is extremely rapid with local fluctuations due to piping geometry and pressure wave propagation effects. This results in transient steam pressure conditions at each SRV which vary dependent upon location.

DATE	VALVE	SERIAL NUMBER	SETPOINT	REMARKS
6/15	02RV-71K	1062	1090	Pilot assembly failed setpoint lift test at contractor facility. Initial lift at 1077 psig (approximately 1.1% below nominal setpoint). See LER-90-018 for additional details.
6/24	02RV-71A	1053	1140	No failures. Valves lifted on operator demand at about 940 psig during ST-22B. ST-22B satisfies TS 4.5.D.1.b
	02RV-71B	1217	1140	
	02RV-71C	1218	1140	
	02RV-71D	1050	1105	
	02RV-71E	1080	1105	
	02RV-71F	1012	1140	
	02RV-71G	1087	1140	
	02RV-71H	1013	1140	
	02RV-71J	1052	1140	
	02RV-71K	1047	1090	
	02RV-71L	1088	1090	
6/30	02RV-71B	1217	1140	No failure. Valve lifted on operator demand at about 946 psig. A high tailpipe temperature indicated possible main valve disk-seat leakage. The valve was operated to reseat the disk and stop the leakage.