



Pennsylvania Power & Light Company

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Norman W. Curtis
Vice President-Engineering & Construction-Nuclear
215 / 770-5381

November 13, 1981

Mr. R. C. Haynes
Director, Region I
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406



SUSQUEHANNA STEAM ELECTRIC STATION
INTERIM REPORT ON INADEQUATE THICKNESS OF MAIN STEAM
RELIEF VALVE DISCHARGE LINE FLANGES
ER 100450 FILES 821-10/900-10
PLA-960

Dear Mr. Haynes:

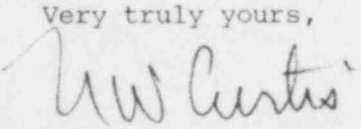
This letter serves to provide the Commission with an interim report of a deficiency relating to the inadequate thickness of main steam relief valve discharge line flanges. The deficiency was originally reported under the provisions of 10 CFR 50.55(e) in a telephone call between R. Schwan (PP&L) and J. Wiggins (NRC, Region I) on October 9, 1981. The information contained in this report is submitted pursuant to the provisions of 10 CFR 50.55(e).

The attachment to this letter contains a description of the problem, its cause, safety implications and the corrective action taken to preclude recurrence.

Since the details of this report provide information relevant to the reporting requirements of 10 CFR 21, this correspondence is considered to also discharge any formal responsibility PP&L may have for reporting in compliance thereto.

We trust the Commission will find the information forwarded by this letter to be satisfactory. We expect to furnish a final report on the deficiency in January, 1982.

Very truly yours,


N. W. Curtis
Vice President-Engineering & Construction-Nuclear

BMS:sab

Attachment

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Mr. R. C. Haynes

- 2 -

November 13, 1981

cc: Mr. Victor Stello (15)
Director-Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. G. McDonald, Director (1)
Office of Management Information & Program Control
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. Gary Rhoads
U. S. Nuclear Regulatory Commission
P.O. Box 52
Shickshinny, PA 18655

ATTACHMENT TO PLA-960

SUBJECT

Inadequate thickness of SSES Unit I Main Steam Relief Valve (MSRV) discharge line flanges.

DESCRIPTION OF DEFICIENCY

Bechtel NCR's 8177 and 8204 identified ten of sixteen MSRV discharge line flanges with thicknesses below minimum allowable by the design code. The flanges are 10" x 12", 300 # ANSI rating, expander type manufactured by Taylor Forge and Supplied by ITT Grinnell. The flanges are welded onto the discharge pipe and bolted to the MSRVs.

CAUSE OF DEFICIENCY

The specific cause of the deficiency is currently being investigated and will be documented in the final report as required under 10 CFR 50.55(e).

ANALYSIS OF SAFETY IMPLICATION

The MSRVs are required to discharge steam into the suppression pool during primary system overpressurization. The undersize flange thickness could cause one or more flanges to fail during an overpressurization incident resulting in a drywell pressurization adverse to plant safety. Thus, this nonconformance appears to be a breakdown in the quality assurance program and is significant and reportable under 10 CFR 50.55(e).

CORRECTIVE ACTION

The ten deficient flanges will be replaced by flanges of proper thickness. Inspection will be made for other similar flanges to determine the extent of the problem.

FINAL REPORT

A final report will be issued when the specific cause of the deficiency and scope of corrective action are clearly determined. It is anticipated that the final report will be released in January, 1982.