



Pennsylvania Power & Light Company

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March 15, 1983

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

SUSQUEHANNA STEAM ELECTRIC STATION
LOOSE PARTS INDICATION
ER 100450 FILE 841-4
PLA- 1577

Docket No. 50-387
License No. NPF-14

Dear Mr. Haynes:

The following summary regarding a loose parts indication at Susquehanna Steam Electric Station, Unit 1 is provided to inform the NRC of a potentially significant condition.

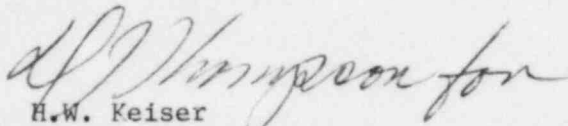
Recent operations of Unit 1 at power levels in excess of approximately 65% rated power have been accompanied by indications of a non-migrating loose part in, or near, the reactor vessel. This indication has been observed to change character at approximately 95% rated power. Data analysis by the loose parts equipment vendor (Babcock & Wilcox) has been able to situate the indication in the upper vessel area, in the vicinity of the steam dryer and the "B" Main Steam Line.

The reactor manufacturer (General Electric) has concluded that such an indication could result from one of several pieces of equipment located in the stated region. Following B & W recommendations, additional detectors have been installed in the area surrounding the suspected location of the part to provide a more complete characterization. During startup and operations in the near term, data will be obtained for analysis by PP&L, General Electric, and Babcock & Wilcox. A safety evaluation has been approved, justifying operation at 100% rated power, based on the above analyses and actions. In addition, instructions have been provided for monitoring and identification of changes that may be observed in the nature of indications (permanent and temporary instrumentation) prior to completion of the detailed analysis.

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PP&L will keep the resident inspector informed of the progress of the investigations into this matter.


H.W. Keiser
Superintendent of Plant-Susquehanna

FTE/cg

cc: Director of Nuclear Reactor Regulation
Attention: Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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