



**Pennsylvania Power & Light Company**

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Harold W. Keiser  
Senior Vice President-Nuclear  
215/770-4194

DEC 21 1989

Mr. William F. Kane, Director  
Division of Reactor Projects  
U.S. Nuclear Regulatory Commission  
Region I  
475 Allendale Road  
King of Prussia, PA 19406

SUSQUEHANNA STEAM ELECTRIC STATION  
SUPPLEMENTAL INFORMATION TO  
ENFORCEMENT ACTION 89-042  
PLA-3235      FILES R41-1C, R41-2

Docket Nos. 50-387  
and 50-388

Dear Mr. Kane:

This letter provides Pennsylvania Power and Light Company's supplemental information to the Notice of Violation for NRC Combined Inspection Report 50-387/89-01 and 50-288/89-01 (Enforcement Action 89-042) dated May 12, 1989.

This transmittal provides our report pursuant to Item 2b. The report discusses the fatigue and fracture mechanics design bases relative to Technical Specification interpretations. We conclude the following:

- o The appropriate method for determining compliance with the Tech Spec heatup/cooldown limit of 100°F in any 1-hour period is to use saturation temperature ( $T_{SAT}$ ) derived from steam dome pressure.
- o The reported exceedance of the 100°F limit which was based on the reactor drain line temperature, was not a Tech Spec violation.

Additionally, we believe this report provides an acceptable technical basis for determining compliance with Tech Spec requirements for future events.

Please note that there is a report from General Electric attached to our report. This report from General Electric is proprietary and in accordance

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with 10CFR2.790 an affidavit from General Electric is also enclosed. PP&L requests that NRC treat this report as proprietary.

Very truly yours,



H. W. Keiser

Attachment(s)

cc: NRC Document Control Desk (original)  
NRC Region I  
Mr. G. S. Barber, NRC Sr. Resident Inspector  
Mr. M. C. Thadani, NRC Project Manager