



SEP 30 1988

Docket Nos. 50-387  
50-388  
EA No. 88-226

Pennsylvania Power and Light Company  
ATTN: Mr. H. W. Keiser  
Senior Vice President - Nuclear  
2 North Ninth Street  
Allentown, Pennsylvania 18101

Gentlemen:

Subject: Notice of Violation for NRC Inspection Report Nos. 50-387/88-15 and  
50-388/88-18

This refers to NRC special inspection 50-387/88-15 and 50-388/88-18, conducted on July 27 - August 4, 1988, concerning a violation identified by your staff and reported to the NRC involving the operability of both Susquehanna Steam Electric Station Units 1 and 2 Main Steam Tunnel Differential Temperature (Delta T) isolation modules. The results of that inspection were sent to you on August 18, 1988. On September 9, 1988, an Enforcement Conference was conducted with you and other members of your staff to discuss the violation, the root cause, safety significance, applicability to other systems, and your corrective actions.

The violation, which is described in the enclosed Notice, involved the inoperability of all eight of the Main Steam Tunnel Delta T modules (four per unit), rendering their associated isolation function inoperable in violation of a Technical Specification Limiting Condition for Operation. The modules were inoperable in that the sensors were physically situated and wired such that they could be expected to always read a negative, rather than the intended positive, Delta T. This condition existed since initial startup of each plant. The Main Steam Tunnel Delta T modules are required to be operable when the plants are in hot shutdown, hot standby and power operations.

The NRC recognizes that the safety significance of the violation is small, since Main Steam Tunnel High Temperature isolation modules were in place to isolate the main steam system in the event of a small line break. Therefore, in accordance with the "General Statement of Policy and Procedure for the NRC Enforcement Actions," 10 CFR 2, Appendix C (1987), the violation described in the enclosed Notice has been classified at Severity Level IV. Nonetheless, the NRC is concerned that this violation was not identified sooner during implementation of your surveillance and quality control programs. The NRC does recognize, however, that your root cause analysis of this event was thorough, and that prompt broad and effective corrective actions were undertaken.

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In accordance with 10 CFR 2, you are required to submit a written response to the attached Notice of Violation to this Office within thirty (30) days. In responding to this letter, you should follow the instructions in Appendix A.

In accordance with Section 2.790 of the NRC's "Rules of Practice", Part 2, Title 10, Code of Federal Regulations, a copy of this letter and its enclosure will be placed in the NRC Public Document Room.

The responses directed by this letter and the enclosed Notice are not subject to the clearance procedures of the Office of Management and Budget as required by the Paperwork Reduction Act of 1980, PL No. 96-511.

Your cooperation with us is appreciated.

Sincerely,

**ORIGINAL SIGNED BY**

William F. Kane, Director  
Division of Reactor Projects

Enclosures:

1. Appendix A, Notice of Violation
2. List of Enforcement Conference Attendees
3. Pennsylvania Power and Light Company September 9, 1988 Enforcement Conference Viewgraphs

cc w/encls:

A. R. Sabol, Manager, Nuclear Quality Assurance  
E. A. Heckman, Licensing Group Supervisor  
R. G. Byram, Superintendent of Plant - SSES  
H. W. Hirst, Manager, Joint Generation Projects Department  
R. J. Benich, Services Project Manager, General Electric Company  
B. A. Snapp, Esquire Assistant Corporate Counsel  
H. D. Woodshick, Special Office of the President  
S. A. Ungerer, Allegheny Electric Cooperative, Inc.  
Public Document Room (PDR)  
Local Public Document Room (LPDR)  
Nuclear Safety Information Center (NSIC)  
NRC Resident Inspector  
Commonwealth of Pennsylvania (2)

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- bcc w/encls:
- Region I Docket Room (with concurrences)
- Management Assistant, DRMA (w/o enclosures)
- M. Thadani, NRR
- J. Lieberman, OE
- D. Crutchfield, NRR
- F. Miraglia, NRR
- M. Thadani, NRR
- J. Goldberg, OGC
- W. Russell, RI
- J. Allan, RI
- J. Gutierrez, RI
- D. Holody, RI
- S. Collins, RI
- J. Wiggins, DRP
- A. Blough, DRP
- L. Doerflein, DRP
- M. Kohl, DRP
- R. Bores, DRSS

\*RI:DRP  
FYoung/mjd

09/ /88

\*RI:EO  
DHolody

09/ /88

\*See Previous Concurrences

\*RI:DRP  
ABlough

09/24/88

RI:EO  
WAllan

09/23/88

\*RI:DRP  
JWiggins

09/ /88

RI:RA  
WRussell

09/26/88

*I concur with the changes, which are not substantive.*

*McCollins*  
~~RI:DRP  
SCollins~~

*WTR*

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*SA*  
RI:DRP  
FYoung/mjd  
09/21/88

*B*  
RI:DRP  
ABlough  
09/21/88

*J*  
RI:DRP  
JWiggins  
09/21/88

*ACUMMA*  
RI:DRP  
SCollins  
09/21/88

*DT*  
RI:EO  
DHolody  
09/21/88

RI:DRP  
WKane  
09/ /88  
RA  
Russell

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