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 KEISER, H.W. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 MARTIN, T.T. Region 1 (Post 820201)

SUBJECT: Forwards update on progress in completing plans to resolve issues re 910731 reactor scram, per 911114 mgt meeting. Revs to emergency procedure guidelines completed as of 920319.

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Mr. Thomas T. Martin, Administrator
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

SUSQUEHANNA STEAM ELECTRIC STATION
JULY 31, 1991 SCRAM ISSUE RESOLUTION PLAN UPDATE
PLA-3880 **FILES A17-2/R41-2**

Docket No. 50-387

Ref: PLA-3707, "July 31, 1991 Scram Issue Resolution Plan" dated 12/30/91 from H.W. Keiser to T.T. Martin.

Dear Mr. Martin:

The referenced PLA-3707 provided PP&L's plan for resolving key issues discussed during a November 14, 1991 management meeting regarding the July 31, 1991 scram of Susquehanna Unit 1. The attachment to this letter provides an update on our progress in completing our plans to resolve each of the issues outlined in PLA-3707.

We will continue to keep you apprised of our progress. Any questions should be directed to Mr. J.B. Wesner at (215) 774-7911.

Very truly yours,

H. W. Keiser

Attachment

cc: NRC Document Control Desk (original)
Mr. R. J. Clark, NRC Sr. Project Manager
Mr. G. S. Barber, NRC Sr. Resident Inspector

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PP&L Issue Resolution Plan Update :
July 31, 1991 Unit 1 Scram

Note: Please refer to attachment to PLA-3707 for complete description of each issue.

Issue #1 : Training/Communications Between SSES and Power Control Center (PCC)

As previously reported, by issuance of a letter dated 10/30/91 to all Power Dispatchers, on-the-job training has been completed by System Operating. In addition, Hot Box Training No. 91-67 was issued to familiarize all Operations shift personnel with the notification requirements regarding component failure which results in a half scram/isolation condition and when any half scram/isolation testing is to start and when it has been completed. This training was completed on 8/11/91.

All commitments regarding Issue #1 are now completed.

Issue #2 : Upgrade Affected Emergency Operating Procedures (EOPs)

Revisions to the SSES Emergency Procedure Guidelines (EPGS) and EO-100/200-102 (RPV Control), to allow opening of MSIVs only when the main condenser is available, there is no indication of gross fuel failure or main steamline break and boron injection is required, have been completed as of 3/19/92.

All commitments regarding Issue #2 are now completed.

Issue #3 : Evaluation of Use of Mechanical Vacuum Pump with the MSIVs Closed

PP&L has completed the safety evaluation regarding the use of the mechanical vacuum pump to pull condenser vacuum when the MSIVs are closed. After a thorough review, we have concluded that although this evolution can physically be accomplished, the restrictions that would need to be applied to other operational activities, as well as chemistry sampling, make this evolution impractical. Therefore, we have decided not to pursue this further at this time.

All commitments regarding Issue #3 are now completed.

Issue #4 : Proposed Revision to EAL on ECCS Initiation

PP&L has been re-evaluating the EAL on ECCS initiation, along with other EALs, as lead plant under a broader NUMARC effort. We have communicated our progress in this effort to Region I personnel throughout 1992 and will continue to do so. We anticipate the EALs will be ready for NRC review by the end of January 1993.



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Issue #5 : HPCI Availability/Suppression Pool Management

In our previous PLA-3707 a number of modifications were listed that were envisioned to improve the operator's ability to (1) use HPCI system in pressure control, (2) manage suppression pool inventory/enthalpy, and (3) recover the RWCU system in the post-transient environment. The status of the modifications is as follows:

- 1) HPCI Suction Transfer Logic Revision - DCPs 92-9016 and 92-9017 have been initiated to perform this modification. DCP 92-9016 is scheduled for installation on Unit 1 during the Unit 1 7RIO. DCP 92-9017 is scheduled for installation on Unit 2 during the Unit 2 6RIO. These DCPs were ready for installation beginning with the Unit 2 5RIO, however the necessary Technical Specification approvals were not complete.
- 2) Pool Level/HPCI Suction Transfer Setpoint Change - PP&L has decided not to pursue this modification.
- 3) SPOTMOS Algorithm Software Logic Change - DCP 92-5003 has been initiated to perform this modification.
- 4) Suppression Pool Water Filter Pump Isolation Setpoint Revision - DCP 92-9005 is scheduled for installation in Unit 1 during the Unit 1 7RIO. DCP 92-9006 was installed in Unit 2 during the Unit 2 5RIO. Both of these changes reflect changes in PP&L Technical Specifications.
- 5) Time Delay of RWCU System High Flow Isolation - DCPs 92-9007 (installed in Unit 1 during Unit 1 6RIO) and 92-9008 (installed in Unit 2 during Unit 2 5RIO) accomplished this modification.

Issue #6 : Revisions to Vessel Temperature Monitoring Procedures

Revision to the operating procedure for RWCU concerning reactor vessel differential temperature limit requirements for RWCU system restart, as well as revisions to operating procedures concerning reactor vessel heatup/cooldown rates, were completed after NRC approval to use T_{SAT} in NRC Inspection Report 91-18.

Revisions to EOPs due to vessel temperature issues will be accomplished as part of PP&L's ongoing upgrade to the Rev. 4 EPGs and is on schedule for completion by 1/31/93.

Issue #7 : Providing Event Information to Industry

PP&L has communicated our concerns to the industry regarding this event in several forums, including Nuclear Network, and a Region 1 utility regulatory review group. We also presented this event to the BWROG at a meeting on January 16, 1992.

All commitments regarding issue #7 are now complete.

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