

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

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ACCESSION NBR: 9201070247      DOC. DATE: 91/12/30      NOTARIZED: NO      DOCKET #  
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylvania      05000387  
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 RECIP. NAME      RECIPIENT AFFILIATION  
 MARTIN, T.T.      Region 1 (Post 820201)

SUBJECT: Forwards resolution plan to address 910731 reactor scram.  
 Emergency procedure guidelines will be revised by 920330 to  
 allow opening of MSIVs only when main condenser available.

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DEC 30 1991

Mr. Thomas T. Martin  
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**SUSQUEHANNA STEAM ELECTRIC STATION**  
**JULY 31, 1991 SCRAM ISSUE RESOLUTION PLAN**  
**PLA-3707                      FILES A17-2, R41-2**

Dear Mr. Martin:

During our November 14, 1991 management meeting that was held to discuss the July 31, 1991 scram of Susquehanna Unit 1, PP&L committed to provide to the NRC our plan for resolving the key issues that were discussed. The attachment to this letter provides the subject plan for your information. Any questions should be directed to Mr. J. M. Kenny at (215) 774-7904.

Very truly yours,

H. W. Keiser

Attachment

cc: NRC Document Control Desk (original)  
Mr. J. J. Raleigh, NRC Project Manager - OWFN  
Mr. G. S. Barber, Sr. Resident Inspector - SSES

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**PP&L ISSUE RESOLUTION PLAN:**

**JULY 31, 1991 UNIT I SCRAM**

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

Per agreement between SSES and System Operating, SSES Operations has implemented notification of Power Dispatchers of any component failure which results in a half scram/isolation condition and notification of when any half scram/isolation testing is to start and when it has been completed. Power Dispatchers have implemented notification of SSES Operations when performing switching or testing operations in the Montour, Mountain, Susquehanna 230 and 500 kV switchyards.

By issuance of a letter dated 10/30/91 to all Power Dispatchers, On-the-Job training has been completed by System Operating.

Hot Box Training No. 91-67 has been issued to familiarize all Operations shift personnel with the notification requirements (including the letter dated 10/30/91) and that training is in progress. This training will be complete for all shift personnel by 1/7/92.

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

**References:**

1. PLA-3466, H. W. Keiser to R. M. Gallo, "Revised Response to NRC Combined Inspection Report (EOP) (387/90-80; 388/90-80)", dated November 19, 1990.
2. PLA-3687, H. W. Keiser to L. H. Bettenhausen, "Response to EOP Unresolved Items (387/91-09; 388/91-09)", dated December 2, 1991.

References 1 and 2 provide PP&L's plan for upgrading the SSES EOPS.

The SSES Emergency Procedure Guidelines (EPGS) and EO-100/200-102 (RPV Control), are being revised to allow opening of MSIV's only when the main condenser is available, there is no indication of gross fuel failure or main steamline break and boron injection is required. This change will make PP&L compatible with BWROG on this point. This revision will be completed by March 30, 1992.

The balance of the EOP Upgrade to the Rev. 4 EPGS, including training, will be completed by January 31, 1993, as previously committed in References 1 and 2.

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

A Safety Evaluation pursuant to 10CFR50.59 to utilize the mechanical vacuum pump to pull condenser vacuum when the MSIV's are closed will be completed by 1/31/92.

**Issue #4: Proposed Revision to EAL on ECCS Initiation**

As described during the November 14 meeting, PP&L is currently reevaluating our Emergency Plan EALs as lead plant under a broader NUMARC effort. We will provide our proposed revision to the subject EAL to you for information when it is provided for NUMARC review. This will occur by the end of the first quarter of 1992.

**Issue #5: HPCI Availability/Suppression Pool Management**

Modifications are under evaluation 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. These modifications consist of the following:

- HPCI Suction Transfer Logic Revision
- Pool Level/HPCI Suction Transfer Setpoint Change
- SPOTMOS Algorithm Software Logic Change
- Suppression Pool Water Filter Pump Isolation Setpoint Revision
- Time delay of RWCU System high flow isolation

The decision as to which of these modifications will be implemented will be completed by June 1, 1992. The chosen modifications will vary with respect to complexity of design and construction. Therefore, individual modification and setpoint revisions will be expected to begin as soon as practicable reflecting an aggressive completion date consistent with these considerations. However, all selected U1 modifications shall complete design no later than March 1993 to support completion by the end of U1-7RIO. Similarly, U2 modifications shall complete design by September 1993 to support implementation by the end of U2-6RIO.

**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 has been issued.

Revisions to operating procedures concerning reactor vessel heatup/cool-down rates will be issued within thirty (30) days of receipt of formal NRC Region I closure of the T<sub>SAT</sub> issue based on the review they have received from NRC-NRR.

Any revisions to EOPs due to vessel temperature issues will be accomplished as part of PP&L's ongoing upgrade to the Rev. 4 EPGs.

**Issue #7: Providing Event Information to Industry**

PP&L has communicated our concerns regarding this event in several forums, including Nuclear Network, and a Region I utility regulatory review group. We will be presenting this event to the BWROG in January, 1992.