

CONTROL BLOCK: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)01 PASES1200-000000-00034111145  
7 8 9 14 15 25 26 30 37 CAT 58  
LICENSEE CODE LICENSE NUMBER LICENSE TYPE

CONT

01 REPORT SOURCE L605000387708028380902839  
7 8 9 14 15 25 26 30 37 CAT 58  
DOCKET NUMBER EVENT DATE REPORT DATE

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During the quarterly surveillance for HPCI flow verification, the HPCI pump did not

03 reach required speed and discharge pressure for 5000 GPM flow. The Technical Spec-

04 ifications require a HPCI flow rate of atleast 5000 GPM. The pump speed and dis-

05 charge pressure are Inservice Inspection (ISI) criteria established to trend

06 equipment performance. There were no consequential effects to public health and

07 safety.

08

09 S F 11 E 12 E 13 I N S T R U 14 C 15 Z 16  
7 8 9 14 15 25 26 30 37 CAT 58  
SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE17 LER/RO REPORT NUMBER 83 106 03 L 0  
21 22 23 24 25 26 27 28 29 30 31 32  
EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.  
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPD-1 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER  
E 18 Z 19 Z 20 Z 21 0000 Y 23 Y 24 N 25 W 26 9 0  
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The gain on the Ramp Generator Signal Converter (RGSC) drifted low. The RGSC pro-

11 vides a signal to control speed of the turbine driven pump. In automatic the con-

12 verter should have an 11 volt output for a maximum input signal. The converter was

13 found to have a 9.9 volt output for maximum input. The gain was adjusted and the

14 system successfully retested.

15 E 28 100 29 NA B 31 Observation  
7 8 9 14 15 25 26 30 37 CAT 58  
FACILITY STATUS % POWER OTHER STATUS (20) METHOD OF DISCOVERY DISCOVERY DESCRIPTION (32)16 Z 33 Z 34 NA  
7 8 9 14 15 25 26 30 37 CAT 58  
ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)17 000 37 Z 38 NA  
7 8 9 14 15 25 26 30 37 CAT 58  
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39)18 000 40 NA  
7 8 9 14 15 25 26 30 37 CAT 58  
PERSONNEL INJURIES NUMBER DESCRIPTION (41)19 Z 42 NA  
7 8 9 14 15 25 26 30 37 CAT 58  
LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION (43)20 N 44 NA  
7 8 9 14 15 25 26 30 37 CAT 58  
PUBLICITY ISSUED DESCRIPTION (45)8309130187 830902  
PDR ADGCK 05000387  
S PDR

NRC USE ONLY

NAME OF PREPARER A.P. Piemontese

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ATTACHMENT

LER # 83-106/03L-0

Pennsylvania Power & Light Company  
Susquehanna Steam Electric Station  
Docket Number: 50-387

The Safety Analysis Report (SAR) for the Plant assumes a HPCI flow of 5000 GPM, hence the Technical Specification limit of at least 5000 GPM. The Inservice Inspection (ISI) limits are established to trend equipment performance and are not necessarily indicative of a failure but may indicate the need for analysis.

The adjustment of the gain on the Ramp Generator Signal Converter corrected the problem with the pump parameters. These parameters will continue to be checked quarterly as part of the HPCI Flow Verification Surveillance Test.

Computer traces from previous HPCI injections and surveillance data will be analyzed to evaluate HPCI performance and the established ISI criteria.



Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101 • 215 / 770-5151

September 2, 1983

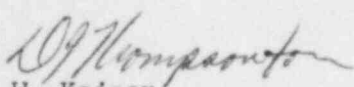
Dr. Thomas E. Murley  
Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, PA 19406

SUSQUEHANNA STEAM ELECTRIC STATION  
LICENSEE EVENT REPORT 83-106/03L-0  
ER 100450 FILE 841-23  
PLA-1826

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

Dear Dr. Murley:

Attached is Licensee Event Report No. 83-106/03L-0. This event was determined to be reportable per Technical Specification 6.9.1.9.b, in that during quarterly flow verification testing of the High Pressure Coolant Injection (HPCI) system, pump speed and discharge pressure were below specified limits. The gain on an instrument in the speed control circuitry had drifted low. The gain was adjusted and the system was successfully tested.

  
H.W. Keiser  
Superintendent of Plant-Susquehanna

APP/pjg

Attachment

cc: G.G. Rhoads  
Resident Inspector  
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Washington, DC 20555

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