NRC FORM 366 (12-81) 10 CFR 50

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

APPROVED BY OMB 3150-0011

CONTROL BLOCK: [| | | | | |] (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

Line	Field	Value
01	LICENSEE CODE (2)	P A S E S 1
	LICENSE NUMBER (3)	0 0 - 0 0 0 0 0 - 0 0
	LICENSE TYPE (4)	4 1 1 1 1
	CAT (5)	
CON'T 01	REPORT SOURCE (6)	L
	DOCKET NUMBER (7)	0 5 0 0 0 3 8 7
	EVENT DATE (8)	0 5 1 7 8 3
	REPORT DATE (9)	0 5 2 7 8 3

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 Flow rates required to maintain a positive pressure in the Control Structure
03 appeared to exceed limits specified in Tech. Specs. Review of the surveillance pro-
04 cedure showed the flow limit acceptance criteria was missing. The system involved
05 is used to minimize radiation exposure of Control Room personnel during accident
06 conditions. There were no occurences requiring this system operation and there were
07 no consequential effects to public health and safety.
08

Line	SYSTEM CODE (11)	CAUSE CODE (12)	CAUSE SUBCODE (13)	COMPONENT CODE (14)	COMP. SUBCODE (15)	VALVE SUBCODE (16)
09	S G	D	Z	Z Z Z Z Z Z	Z	Z

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	8 3	—	0 7 0	/	0 1	T	—	0

ACTION TAKEN (18)	FUTURE ACTION (19)	EFFECT ON PLANT (20)	SHUTDOWN METHOD (21)	HOURS (22)	ATTACHMENT SUBMITTED (23)	NPRD-4 FORM SUB. (24)	PRIME COMP. SUPPLIER (25)	COMPONENT MANUFACTURER (26)
X	Z	C	Z	0 0 0 0	Y	N	Z	Z 9 9 9

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The system is required to maintain one-eighth in. Positive pressure with a system
11 flow of 5820 scfm. This flow limit was inadvertently omitted from the procedure.
12 The last surveillance (7-13-82) recorded flows of 6000 and 6200 scfm on the respec-
13 tive subsystem. The procedure was corrected, the test boundary was reworked as nec-
14 essary and the test sucessfully completed on 5/23/83.

Line	FACILITY STATUS (28)	% POWER (29)	OTHER STATUS (30)	METHOD OF DISCOVERY (31)	DISCOVERY DESCRIPTION (32)
15	B	0 0 0	NA	A	Procedure review

Line	ACTIVITY RELEASED (33)	CONTENT OF RELEASE (34)	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
16	Z	Z	NA	NA

PERSONNEL EXPOSURES

Line	NUMBER (37)	TYPE (38)	DESCRIPTION (39)
17	0 0 0		NA

PERSONNEL INJURIES

Line	NUMBER (40)	DESCRIPTION (41)
18	0 0 0	NA

LOSS OF OR DAMAGE TO FACILITY

Line	TYPE (42)	DESCRIPTION (43)
19	Z	NA

8306170037 830527
PDR ADOCK 05000387
S PDR

IE22 1/1

PUBLICITY

Line	ISSUED (44)	DESCRIPTION (45)
20	N	NA

NRC USE ONLY

NAME OF PREPARER A.P. Piemontese PHONE (717)542-2181 X3246

PP&L Pennsylvania Power & Light Company
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May 27, 1982

Mr. J.M. Allan
Acting Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

SUSQUEHANNA STEAM ELECTRIC STATION
LICENSEE EVENT REPORT 83-070/01T-0
ER 100450 FILE 841-23
PLA-1692

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

Dear Mr. Allan:

Attached please find a copy of Licensee Event Report No. 83-070/01T-0. This event was determined to be reportable per Technical Specification 6.9.1.8.b, in that surveillance procedures did not reflect Technical Specification Flow Limits for the Control Room Emergency Outside Air Supply System (CREOASS), Surveillance Requirement 4.7.2.d.3.

H.W. Keiser
Superintendent of Plant-Susquehanna

APP/pjg

attachment

cc: G.G. Rhoads
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IE22

ATTACHMENT

LER # 83-070/01T-0

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

The Control Room Emergency Outside Air Supply System (CREOASS) is required to maintain the Control Structure at one eighth inch positive pressure, relative to outside atmosphere, to limit radiation exposure to Control Room personnel during accident conditions. The pressurization mode is used if radiation is sensed. The Control Structure is isolated and CREOASS goes into recirculation if chlorine is sensed. The Technical Specification Flow Limit for the pressurization mode is 5810 CFM and established to limit radioactive isotope introduction into the Control Room atmosphere. This limit was inadvertently omitted from the surveillance test procedure.

Upon discovery of this omission, the previous test results were checked (test frequency is 18 months). The previous test performed on 7/13/83 showed Loop A flow to be 6200 CFM with pressures from .125 to .132 inches, Loop B flow was 6000 CFM with pressures from .15 to .17 inches.

A procedure change was issued to incorporate the flow limit of 5810 CFM. The test boundary, which includes Control Structure elevations 698' to 783', was inspected to identify and correct any leakage paths. The test was successfully completed on 5/23/83 and the system declared operable. During performance of the test some additional flow measurements were taken (for informational purposes, outside of the PP&L quality program) which indicated that actual flow rates may be significantly below Technical Specification limits. A study is underway to determine if this variance in flow indications is due to instrument response or the location at which system flow is measured.

Also, at the Technical Specification limit of 5810 CFM the dose to Control Room personnel during a Design Basis Accident (DBA) would be 14 REM (thyroid) per FSAR, Chapter 15 Accident Analysis. The 10CFR 50, Appendix A, Criteria 19, Exposure Limit for Control Room Personnel, is 30 REM (thyroid). The additional exposure which would be expected at a flow rate of 6200 CFM, compared to 5810 CFM, is less than one REM, which would still be approximately 50 percent of 10CFR 50 limits.

A review has been conducted of similar procedures to ensure incorporation of Technical Specification requirements and limits.