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ACCESSION NBR: 9011080119 DOC. DATE: 90/11/01 NOTARIZED: NO DOCKET #
 FACIL: 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylv 05000388
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 RECIPIENT NAME RECIPIENT AFFILIATION

SUBJECT: LER 90-010-00: on 901002, condensate transfer pump discharge low pressure alarm logic surveillance not completed.

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 TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

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Pennsylvania Power & Light Company

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November 1, 1990

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

SUSQUEHANNA STEAM ELECTRIC STATION
LICENSEE EVENT REPORT 90-010-00
FILE R41-2
PLAS -449

Docket No. 50-388
License No. NPF-22

Attached is Licensee Event Report 90-010-00. This report is being made pursuant to 10CFR50.73(a)(2)(1) in that a condition prohibited by Technical Specifications existed when the monthly channel functional test of the condensate transfer pump discharge low pressure alarm logic was not completed within the required surveillance time interval.

H.G. Stanley
Superintendent of Plant - Susquehanna

TSR/mjm

cc: Mr. T.T. Martin
Regional Administrator, Region I
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LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1) Susquehanna Steam Electric Station - Unit 2						DOCKET NUMBER (2) 0 5 0 0 0 3 8 8			PAGE (3) 1 of 0 3		
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TITLE (4) Condensate Transfer Pump Discharge Low Pressure Alarm Logic Surveillance Not Completed Within the Required Monthly Time Interval

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)
1	0	2 9	0 9	0 1	0 0	1	1	0 1 9			0 5 0 0 0
											0 5 0 0 0

OPERATING MODE (9) 1

POWER LEVEL (10) 1 0 0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)

20.402(b)	20.406(c)	50.73(a)(2)(iv)	73.71(b)
20.406(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
20.406(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
20.406(a)(1)(iii)	X 50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	
20.406(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	
20.406(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME: T.S. Ryder - Power Production Engineer

TELEPHONE NUMBER: 7 1 7 5 4 2 - 3 2 3 5

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On October 2, 1990 with Unit 1 in Condition 5 and defueled and Unit 2 in Condition 1 at 100% power, it was discovered that the monthly channel functional test of the condensate transfer discharge low pressure alarm logic had not been tested within the required surveillance interval. The test had inadvertently been categorized as not being applicable for existing plant conditions. The test was common to both units and in actuality it was applicable to Unit 2. This event was determined reportable per 10CFR50.73(a)(2)(i)(B) in that not completing a surveillance within the required frequency represented a condition prohibited by the plant's Technical Specifications. There were no safety consequences or compromise to the public health or safety as a result of this event. The surveillance was immediately performed upon discovery and the results were satisfactory. A review was conducted which ensured no other common I&C procedures were inappropriately categorized due to plant condition changes on Unit 1. Procedural changes will be accomplished to require a second level of review before surveillances can be categorized as not required due to existing plant conditions. This LER is not expected to be updated.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 60.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1) Unit 2 Susquehanna Steam Electric Station	DOCKET NUMBER (2) 0 5 0 0 0 3 8 8	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		9 0	- 0 1 0	- 0 0	0 2	OF	0 3

TEXT (If more space is required, use additional NRC Form 368A's) (17)

DESCRIPTION OF EVENT

On October 2, 1990 with Unit 1 in Condition 5 and defueled and Unit 2 in Condition 1 at 100% power, it was discovered that the monthly channel functional test of the condensate transfer (EIIS Code: KA) discharge low pressure alarm logic had not been completed within the required surveillance time interval. The discovery was made during a routine review of a print-out of surveillance tests that had been placed "Out of Mode". "Out of Mode" is the terminology used to describe surveillances whose testing is not applicable for existing plant conditions. The test in question, SI-037-201, had been satisfactorily completed on August 20, 1990. Because SI-037-201 was categorized as "Out of Mode", its violation date of September 27, 1990 was passed without completing the surveillance. After discovering the error, SI-037-201 was satisfactorily completed on October 2, 1990.

CAUSE OF EVENT

SI-037-201 was inadvertently taken "Out of Mode" at some point in time after Unit 1 had been shutdown on September 12, 1990 for its fifth refueling outage. Placing the surveillance "Out of Mode" is believed to be a cognitive error on the part of an Instrumentation and Controls (I&C) non-licensed, utility personnel. The root cause of this event has been determined to be insufficient procedural controls. Presently, station procedures do not require an independent review of "Out of Mode" determinations by scheduling personnel. The addition of a second review will establish an additional barrier to help prevent an incorrect "Out of Mode" determination from occurring.

REPORTABILITY/ANALYSIS

This event was determined reportable per 10CFR50.73(a)(2)(i)(B) in that the monthly channel functional test of the condensate transfer discharge low pressure alarm logic was not performed within the required surveillance interval specified by Technical Specifications 3.5.1 and 3.7.3. Per Technical Specifications Bases 4.0.3, this represented a condition prohibited by the plant's Technical Specifications. The surveillance violation date was exceeded by five days before discovery and subsequent testing. It would have been appropriate to have placed SI-037-201 "Out of Mode" for Unit 1 after September 14, 1990 when it entered Condition 4, since in its existing condition, Technical Specifications 3.5.1 and 3.7.3 did not apply. However, SI-037-201 performs a channel functional test of the low pressure alarm logic which senses water pressure in the condensate transfer piping common to both units. Since Unit 2 was in Condition 1, SI-037-201 was still required to be performed. There were no safety consequences or compromise to the public health or safety as a result of this event. Although the surveillance interval was exceeded, SI-037-201 was surveilled as an immediate corrective action and the low pressure alarm logic operated satisfactorily. Per Technical Specification