

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8807260235 DOC. DATE: 88/07/21 NOTARIZED: NO DOCKET #
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylv 05000387
 AUTH. NAME AUTHOR AFFILIATION
 SHERANKO, R.G. Pennsylvania Power & Light Co.
 BYRAM, R.G. Pennsylvania Power & Light Co.
 RECIPIENT NAME RECIPIENT AFFILIATION

SUBJECT: LER 88-012-00: on 880621, unanticipated ESF actuation due to lifting of wire in wrong panel.

W/8 1tr.

DISTRIBUTION CODE: IE22D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 4
 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

NOTES: LPDR 2 cys Transcripts.

05000387

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	RGN1 FILE 01	1				1						
EXTERNAL:	EG&G WILLIAMS, S	4				4	FORD BLDG HOY, A	1				1
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LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Susquehanna Steam Electric Station Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 8 7	PAGE (3) 1 OF 0 3
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TITLE (4)
Unanticipated ESF Actuation Due to Lifting of Wire in Wrong Panel

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)
0	6	21	8	8	01	0	7	21			0 5 0 0 0 0

OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)									
POWER LEVEL (10) 1 0 0	20.402(b)	20.405(c)	<input checked="" type="checkbox"/>	50.73(a)(2)(iv)	73.71(b)					
	20.405(a)(1)(i)	50.36(c)(1)	<input type="checkbox"/>	50.73(a)(2)(v)	73.71(c)					
	20.405(a)(1)(ii)	50.36(c)(2)	<input type="checkbox"/>	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 365A)					
	20.405(a)(1)(iii)	50.73(a)(2)(i)	<input type="checkbox"/>	50.73(a)(2)(viii)(A)						
	20.405(a)(1)(iv)	50.73(a)(2)(ii)	<input type="checkbox"/>	50.73(a)(2)(viii)(B)						
20.405(a)(1)(v)	50.73(a)(2)(iii)	<input type="checkbox"/>	50.73(a)(2)(ix)							

LICENSEE CONTACT FOR THIS LER (12)

NAME Robert G. Sheranko, Senior Results Engineer - Compliance	TELEPHONE NUMBER 7 1 7 5 4 2 - 3 8 5 6
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14)

<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE) <input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
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ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

At 0900 on 6-21-88, an unanticipated Engineered Safeguards Feature actuation occurred on Unit one which was in normal operations at 100% power. An Instrument & Controls (I&C) technician was performing Surveillance Test SI-079-426, "18 Month Time Response Test of Secondary Containment Isolation Refuel Floor Wall Exhaust Duct High Radiation Monitor Channels RE-D12-1N010A&B," when the "B" trains of Standby Gas Treatment System (SGTS), Control Room Emergency Outside Air Supply System (CREOASS), and Reactor Building Recirculation fans unexpectedly actuated. This actuation was caused by the lifting of a wire in the wrong panel. Lifting of the incorrect wire made Core Spray Loop A inoperable. The proper Limiting Condition for Operation was entered. The lifted wire was reconnected, affected systems restored and the LCO cleared.

Cause of the event was cognitive personnel error. The I&C technician lifted the wire from the proper terminal designation but in the wrong panel. The panel entered is located adjacent to the correct panel.

The technician involved in the event was counselled. This event will be reviewed with I&C personnel at the next scheduled shop meeting.

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PDR ADCK 05000387
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) Unit One Susquehanna Steam Electric Station	DOCKET NUMBER (2) 0 5 0 0 0 3 8 7	LER NUMBER (8)				PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER				
		8 8	- 0 1 2	- 0 0	0 2	OF	0 3	

TEXT (If more space is required, use additional NRC Form 366A's) (17)

DESCRIPTION DESIGN DEFICIENCY

At 0900 on 6-21-88, an unanticipated Engineered Safeguards Feature actuation occurred on Unit one which was in normal operations at 100% power. An Instrument & Controls (I&C) technician was performing Surveillance Test SI-079-426, "18 Month Time Response Test of Secondary Containment Isolation Refuel Floor Wall Exhaust Duct High Radiation Monitor Channels RE-D12-1N010A&B," when the actuation occurred. Per the procedure, the technician removed the input cable from radiation monitor RE-D12-1N010B. This resulted in a Zone III isolation (EIIS:VA) and actuations of the "B" trains of Standby Gas Treatment System (SGTS) (EIIS:BH), Control Room Emergency Outside Air Supply System (CREOASS) (EIIS:VI), and Reactor Building Recirculation fans (EIIS:VA). Even though this response was per design for the technician's action, it was unexpected during the test since the preceding step in the test procedure lifted a wire to prevent such response. Upon re-check of completed steps, the technician discovered that the wire had been lifted from the correct terminal designation but in the wrong panel. Lifting of the incorrect wire caused the Core Spray Pump Room Cooler 1V211A to be disabled and consequently made Core Spray Loop A inoperable. The proper Limiting Condition for Operation was entered. The input cable was reconnected to the radiation monitor and affected systems restored. The incorrectly lifted wire was reconnected and the LCO cleared.

CAUSE OF EVENT

Cause of the event was cognitive personnel error. The I&C technician lifted the wire from the proper terminal designation but in the wrong panel. The actual panel entered (1C681) is located adjacent to the correct panel (1C681). Both panels were clearly labeled and contained terminal locations identified as TB1-56.

ANALYSIS

This event is reportable per 10CFR50.73(a)(2)(iv) in that the unit experienced an unanticipated Engineered Safeguards Feature actuation with the start of SGTS, CREOASS, and the Reactor Building Recirculation fans.

There were no safety implications to the safety of the public in this event nor would there have been under any other set of initiating conditions since SGTS, CREOASS, and the Reactor Building Recirculation fans performed their intended function, and the Low Pressure Coolant Injection mode of the Residual Heat Removal system (RHR/LPCI) (EIIS:BO) was available as a backup to Core Spray.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 8	0 1 2	0 0	0 3	OF	0 3

TEXT (If more space is required, use additional NRC Form 366A's) (17)

CORRECTIVE ACTIONS

The technician involved in the event was counselled. This event will be reviewed with I&C personnel at the next scheduled shop meeting.

ADDITIONAL INFORMATION

Failed Component: None

Previous Similar Events: An unanticipated ESF actuation caused by placing a jumper on the correct terminal designations but in the wrong panel was reported in LER 87-031-01.



Pennsylvania Power & Light Company

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July 21, 1988

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

SUSQUEHANNA STEAM ELECTRIC STATION
LICENSEE EVENT REPORT 88-012-00
FILE R41-2
PLAS - 326

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

Attached is Licensee Event Report 88-012-00. This event was determined reportable per 10CFR50.73(a)(2)(iv), in that the unit experienced unanticipated Engineered Safety Feature actuations when Standby Gas Treatment, Control Room Emergency Outside Air Supply System and Reactor Building Recirculation fans unexpectedly started.

R.G. Byram
Superintendent of Plant - Susquehanna

RGS/mjm

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