

LICENSEE EVENT REPORT (LER)

APPROVED ONS NO. 3180-0104
EXPIRES - 8/31/85

FACILITY NAME (1)

Limerick Generating Station - Unit 1

DOCKET NUMBER (2)

0 5 0 0 0 3 5 2 1 OF 0 1 3

PAGE (3)

TITLE (4)

RPS Actuation - Reactor Mode Switch Misposition

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 NAME	DOCKET NUMBER (9)					
0	8	0	8	5	8	5	0	6	6	0	5	0	0	0	1
OPERATING MODE (10)		2		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)											
POWER LEVEL (10)		01010		20.402(a)		20.406(a)		X 00.73(a)(2)(iv)		73.71(a)					
				20.406(a)(1)(i)		00.30(a)(1)		00.73(a)(2)(vi)		73.71(a)					
				20.406(a)(1)(ii)		00.30(a)(2)		00.73(a)(2)(vii)		OTHER (Specify in Abstract below and in Title, NRC Form 204A)					
				20.406(a)(1)(iii)		00.73(a)(2)(i)		00.73(a)(2)(viii)							
				20.406(a)(1)(iv)		00.73(a)(2)(ii)		00.73(a)(2)(ix)							
				20.406(a)(1)(v)		00.73(a)(2)(iii)		00.73(a)(2)(x)							

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
John C. Nagle, Engineer - Special Projects	2 1 5 8 4 1 - 5 1 8 4

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)	NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR

ABSTRACT (Limit to 1,000 spaces, i.e., approximately fifteen single space typewritten lines) (16)

Abstract: 85-066

On August 8, 1985 at 1349, while Unit 1 was being prepared for entry into the startup mode from the shutdown condition, the Reactor Operator (RO) inadvertantly positioned the reactor mode switch past STARTUP/HOT STANDBY and into the RUN position. A Group I Main Steam Isolation Valve (MSIV) isolation signal was generated due to main steam line pressure being less than 756 psig in the RUN mode, and a full scram signal was generated due to the MSIVs being less than 92% open. The MSIVs were already closed and all control rods were already fully inserted. The scram was reset according to General Procedure GP-11, "Reactor Protection System - Scram Reset", and the isolation reset according to GP-8, "Primary and Secondary Containment Isolation Verification and Reset". There were no adverse consequences as a result of this event.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/88

FACILITY NAME (1) Limerick Generating Station Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 5 2 8 5 — 0 6 6 — 0 0 0 2 OF 0 3	LER NUMBER (8)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			

TEXT (if more space is required, use additional NRC Form 366a (1/7))

Description of the Event:

On August 8, 1985 at 1349, while Unit 1 was being prepared for entry into the startup mode from the shutdown condition, the Reactor Operator (RO) inadvertently positioned the reactor mode switch past STARTUP/HOT STANDBY and into the RUN position. A Group I Main Steam Isolation Valve (MSIV) isolation signal was generated due to main steam line pressure being less than 756 psig in the RUN mode, and a full scram signal was generated due to MSIVs being less than 92% open. The scram and isolation signals were reset.

Consequences of the Event:

At the time of the event, the MSIVs were in the closed position and all control rods were in the FULL-IN position. The reactor protection system and nuclear steam supply shutoff system functioned properly and initiated the appropriate scram and isolation signals. Therefore, there were no adverse consequences as a result of this event.

Cause of the Event:

This event was caused by personnel error; however, recent improvements in the operability of the reactor mode switch contributed to the error. Until maintenance was performed on the reactor mode switch an unusual amount of torque was required to change its position. Unaware that the mode switch had been serviced, the shift RO attempted to move the mode switch from SHUTDOWN to the STARTUP/HOT STANDBY position. The RO applied force previously needed to move the switch, and inadvertently torqued the switch past STARTUP/HOT STANDBY to the RUN position, resulting in the isolation and scram signals.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1)

Limerick Generating Station
Unit 1

DOCKET NUMBER (2)

LER NUMBER (6)

PAGE (3)

YEAR

SEQUENTIAL
NUMBERREVISION
NUMBER

0 | 5 | 0 | 0 | 0 | 3 | 5 | 2 | 8 | 5 | — | 0 | 6 | 6 | — | 0 | 0 | 0 | 3 | OF | 0 | 3

TEXT (If more space is required, use additional NRC Form 365A's) (17)

Corrective Actions:

The scram and isolation were reset, respectively, according to General Procedure GP-11, "Reactor Protection System - Scram Reset", and GP-8, "Primary and Secondary Containment Isolation Verification and Reset."

A memorandum was issued to the control room operators cautioning about the decreased amount of torque needed to turn the reactor mode switch since it has been serviced.

Previous Similar Occurrences

None.

PHILADELPHIA ELECTRIC COMPANY

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PHILADELPHIA, PA. 19101

(215) 841-4000

September 6, 1985

Docket No. 50-352

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Washington, DC 20555

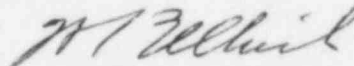
SUBJECT: Licensee Event Report
Limerick Generating Station - Unit 1

This LER concerns the inadvertent mispositioning of the reactor mode switch and resultant actuation of the reactor protection system and nuclear steam supply shutoff system.

Reference:	Docket No. 50-352
Report Number:	85-066
Revision Number:	00
Event Date:	August 8, 1985
Report Date:	September 6, 1985
Facility:	Limerick Generating Station P.O. Box A, Sanatoga, PA 19464

This LER is being submitted pursuant to the requirements of 10 CFR 50.73(a)(2)(iv).

Very truly yours,



W. T. Ullrich
Superintendent
Nuclear Generation Division

TPM:vdw

cc: Dr. Thomas E. Murley, Administrator, Region I, USNRC
E. M. Kelly, Senior Resident Site Inspector
See Service List

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