



## 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	LER NUMBER (8)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 5	— 0 5 7	— 0 0	0 2	OF	0 3

TEXT (If more space is required, use additional NRC Form 264a (17))

Description of the Event:

During a design review of fire protection safe shutdown cable routing on June 7, 1985 with Unit 1 in cold shutdown, two cables associated with the Reactor Core Isolation Cooling (RCIC) turbine speed control were discovered not enclosed by 3-hour rated fire barriers, in accordance with Fire Protection Evaluation Report (FPER) paragraph 5.3.25e. These cables, 1AI003D and 1AI003E, are routed from the Remote Shutdown Panel (RSP) through the Auxiliary Equipment Room to the RCIC turbine speed controls and are necessary in order to achieve safe shutdown from the RSP and, therefore, are required to be enclosed by 3-hour rated fire barriers.

Consequences of the Event:

A postulated fire in the Auxiliary Equipment Room would have been detected by operable smoke detectors which annunciate in the Control Room and the fire brigade would have been dispatched to extinguish the fire using halon fire extinguishers. In the event that a fire in the floor sections could not be extinguished by the fire brigade, manual actuation (at times, automatic as well) of the halon extinguishing system would have been available. Furthermore, a fire watch has been maintained in the Auxiliary Equipment Room since fuel load due to Technical Specifications Limiting Conditions for Operation. Therefore, it is unlikely that these cables could have been severely damaged by a fire in the Auxiliary Equipment Room, regardless of where it began.

Unit shutdown without RCIC operable would have been performed using the guidance of Transient Response Implementing Procedures (TRIP).

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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 REVISION  
NUMBER NUMBER NUMBER

0 5 0 0 0 3 5 2 8 5 - 0 5 7 - 0 0 0 3 OF 0 3

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

Cause of the Event:

Originally, all raceways in the Auxiliary Equipment Room which contained cables from the RSP were to be enclosed by 3-hour rated fire barriers. However, limited space in the room for barrier installation necessitated a cable-by-cable analysis in order to determine which cables required enclosure.

These cables were properly designated on Engineered Safeguard System Circuit Schedule (E-1506) as required to achieve safe shutdown; however, they were not identified as such in the Shutdown Cable Data Base (E-1550). During the cable-by-cable analysis, the two cables of concern were incorrectly determined to be unnecessary to achieve safe shutdown and they were not included in E-1550, nor enclosed by 3-hour rated fire barriers.

Corrective Actions and Results:

This nonconformance has been corrected by rerouting cables 1AI003D and 1AI003E, while maintaining proper separation, into raceways which are enclosed by 3-hour rated fire barriers.

To ensure that these two cables are the only ones not in compliance with FPER 5.3.25e, Bechtel has performed a reverification of all cables from the RSP routed through the Auxiliary Equipment Room, which are not enclosed. This review confirmed that all cables from the RSP which are required in order to achieve safe cold shutdown are in fact enclosed by 3-hour rated fire barriers.

Previous Similar Occurrences:

None.

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July 5, 1985

Docket No. 50-352

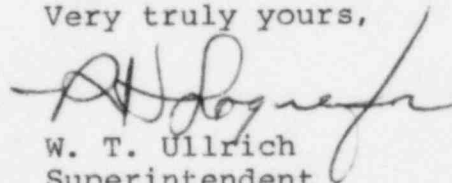
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Washington, DC 20555

SUBJECT: Licensee Event Report  
Limerick Generating Station - Unit 1

This LER deals with the failure to meet Limerick Generating Station License NPF-27, Condition 2C(6)a. Fire Protection. This LER is submitted pursuant to License Condition 2F, requiring a follow-up report after initial notification written in accordance with 10 CFR 50.73(b), (c), (d) and (e).

Reference:	Docket No. 50-352
Report Number:	85-057
Revision Number:	00
Event Date:	June 7, 1985
Report Date:	July 5, 1985
Facility:	Limerick Generating Station P.O. Box A, Sanatoga, PA 19464

Very truly yours,



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IE22  
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