



## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/95

FACILITY NAME (1)  Limerick Generating Station Unit 1	DOCKET NUMBER (2)  0500035286	LER NUMBER (3)			PAGE (3)		
		YEAR 01	SEQUENTIAL NUMBER 11	REVISION NUMBER 00			

TEXT (if more space is required, use additional NRC Form 266a (17))

Unit Conditions Prior to the Event:

Mode 1 (Power Operation)  
Reactor Power 99.8%

Description of the Event:

On February 10, 1986 at 1430 hours, a full reactor scram occurred as a result of high neutron flux (flow biased). The neutron flux spike was the result of an increase in reactor pressure caused by the unexpected closure of the Turbine Control valves.

The EIIS code for the affected system is JJ.

Consequences of the Event:

The consequences of this event were minimal because the Reactor Protection System functioned as designed and automatically scrambled the reactor.

Cause of the Event:

The unexpected closure of the Turbine Control valves was caused by a ground in the load reference signal of the Turbine Electrohydraulic Control (EHC). The cause for the circuit ground is not confirmed but suspected to have resulted from taking final Startup Test Program related readings in the turbine EHC control cabinet. A digital-voltmeter (DVM) had been temporarily connected to the EHC circuit in order to record EHC signals at 100 percent rated reactor power. It was postulated that the circuit ground resulted from the DVM being connected to the EHC. Although the DVM was believed to be properly installed, an investigation of various DVM lead configurations, and scale and range settings was conducted. During the investigation, the event could not be duplicated.

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FACILITY NAME (1) Limerick Generating Station Unit 1	DOCKET NUMBER (2) 0500035286	LER NUMBER (6)			PAGE (3)		
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		86	011	00	03	OF	03

TEXT (if more space is required, use additional NRC Form 366A) (17)

Corrective Actions:

The plant was stabilized following the scram and the EHC problem was investigated. The meter's connection in the circuit was investigated and found to be proper. The meter was then removed, tested, and found to operate properly. The unit was returned to full power operation by 1200 hours on February 12, 1986.

Action Taken to Prevent Recurrence:

A letter was issued to plant engineering staff requesting verification that all testing or troubleshooting activities are being controlled by applicable procedures and that no outstanding startup data acquisition activities, which lack formal approval, exist.

A memo was issued to control room supervision and operators to re-emphasize their responsibility to evaluate the activities they approve for possible effects on plant operation.

Previous Similar Occurrences

Limerick LERs 85-049, 85-011, 84-030, and 84-011.

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March 14, 1986

Docket No. 50-352

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Washington, DC 20555

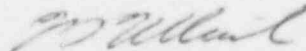
SUBJECT: Licensee Event Report  
Limerick Generating Station - Unit 1

This LER concerns a full reactor scram due to high neutron flux.

Reference:	Docket No. 50-352
Report Number:	86-011
Revision Number:	00
Event Date:	February 10, 1986
Report Date:	March 14, 1986
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). The submittal of this LER was delayed as a result of the time necessary to investigate the cause of the event. We regret any inconvenience the delay may have caused.

Very truly yours,



W. T. Ullrich  
Superintendent  
Nuclear Generation Division

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

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