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IP-83) LICENSEE EVENT REP	ORT (LER) TEXT CONTINU	UATION		ULATORY COMMISSION MB NO. 3150-0104 1/85
FACILITY NAME (1)	DOCKET NUMBER (2)	LER NU	MBER (6)	PAGE (3)
Limerick Generating Station			UENTIAL REVISION UMBER NUMBER	
Unit 1	0 15 10 10 10 3 5 2	8 5 0	0,5_0,0	0 12 OF 0 3

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

modifications to the system are being contemplated for a long term solution. As an interim measure the system is being operated, administratively, with the channel showing lower indicated differential pressure in the control mode. Because the system controls will act to maintain the reactor building dp at the system setpoint (which is higher than the low dp isolation trip point) any difference in dp between the two channels will be in a direction away from the isolation trip setpoint. System modifications are anticipated to be completed by March 1, 1985.

Description of the Event:

On January 8, 1985, an isolation of the Reactor Enclosure HVAC occurred with low dp annunciation, Standby Gas Treatment System and Reactor Enclosure Recirculation System initiation and appropriate valve and damper operations. A similar occurrence was reported on LERs 84-041 and 84-045 for Limerick.

Consequences of the Event:

This event occurred with the unit in start-up during low power testing and all systems performed as designed, therefore, the consequences of this event are minimal.

Cause of the Event:

The investigation into this event revealed that all other inputs into this portion of NSSSS system with the exception of low differential pressure were normal. Apparently, as evidenced by direct observations of the two independent dp indicators in the Control Room, high winds can cause a false input in the differential pressure sensors, such that the channels show significantly differing dp indications dependent on wind direction. If the channel showing the higher relative dp is in the control mode the lower channel (which is still actively monitoring dp) can cause isolations.

(9-63) LICENSEE EVEN	LICENSEE EVENT REPORT (LER) TEXT CONTINUATION					
FACILITY NAME (1)	DOCKET NUMBER (2)	L	ER NUMBER (6)	PAGE (3)		
Limerick Generating Stati Unit 1		YEAR	SEQUENTIAL REVISION			
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Corrective Actions:

The isolation was promptly reset and the HVAC system was restarted and returned to normal operation. As an interim measure the operators have been advised to place the channel demonstrating lower dp in the controlling mode, which will maintain the enclosure dp at the proper level, while assuring that any difference in indicated dp between the two channels will result in the non-controlling channel at a higher relative indicated dp such that a low dp isolation will only result from a valid condition.

Modifications are being made to the system to eliminate this difficulty including increasing system trip time delay and joining the two outside sensing legs into a common leg. These modifications should be completed by March 1, 1985.

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA. 19101

(215) 841-4000 February 7, 1985

Docket No. 50-352

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

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SUBJECT: Licensee Event Report Limerick Generating Station - Unit 1

This LER deals with the automatic isolation of the Reactor Enclosure Heating Ventilation and Air Conditioning System due to low differential pressure.

Reference:	Docket No. 50-352
Report Number:	85-005
Revision Number:	00
Event Date:	January 8, 1985
Report Date:	February 7, 1985
Facility:	Limerick Generating Station
	P.O. Box A, Sanatoga, PA 19464

This LER is submitted pursuant to the requirements of 10CFR50.73 (a)(2)(iv).

Very truly yours,

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W. T. Ullrich Superintendent Nuclear Generation Division

cc: Dr. Thomas E. Murley, Administrator, Region I, USNRC J. T. Wiggins, Senior Site Inspector See Service List

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