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PHILADELPHIA ELECTRIC COMPANY

LIMERICK GENERATING STATION

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GRAHAM M. LEITCH
VICE PRESIDENT
LIMERICK GENERATING STATION

January 24, 1990

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50-353
License Nos. NPF-39
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U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Subject: Limerick Generating Station, Units 1 and 2
1989 Annual Report of All Challenges to Safety/Relief
Valves, Unit 1 - Report No. 5 and Unit 2 - Report No. 1

Gentlemen:

This letter transmits the Limerick Generating Station, Units 1 and 2 1989 Annual Report of All Challenges to Safety/Relief Valves. This report represents Report No. 5 for Unit 1 and Report No. 1 for Unit 2, as required by Technical Specification 6.9.1.5.b. The definition of challenges considered in this report is the automatic opening of main steam system safety/relief valves in response to high reactor pressure.

Unit 1 (Report No. 5)

During 1989, there were no automatic openings of the main steam safety/relief valves in response to high reactor pressure.

Surveillance testing of the five (5) safety relief valves associated with the Automatic Depressurization System was conducted in May 1989 with satisfactory results, as part of preparation for restart of the unit following the second refueling outage.

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Unit 2 (Report No. 1)

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During 1989, there was one event which automatically opened the main steam safety/relief valves in response to high reactor pressure.

On December 1 during the Main Steam Isolation Valve closure startup test, several Unit 2 Main Steam Relief Valves (MSRV's) were challenged. During the initial pressure increase, the '2D', '2H', and '2S' MSRV's lifted per design reducing reactor pressure. After the three MSRV's closed, reactor pressure increased again and the '2B', '2D', '2F', '2H', '2K', '2M', '2N' and '2S' MSRV's lifted. The eight MSRV's closed per design following a reduction in reactor pressure. A subsequent increase in reactor pressure was terminated when the '2K' MSRV was intentionally opened manually by the control room operator. Following closure of the '2K' MSRV, reactor pressure was controlled using High Pressure Coolant Injection and Reactor Core Isolation Coolants.

Additionally, the relief valves were cycled manually as part of the startup test program in September, 1989.

Documentation of all challenges to the main steam system safety/relief valves has been submitted as part of the monthly operating report in order to comply with Technical Specification 6.9.1.6.

Should you have any questions concerning this matter, please contact us.

Very truly yours,



KWM/kk

cc: William T. Russell, Administrator, Region I, USNRC
T. J. Kenny, USNRC Senior Resident Inspector, LGS

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NRMS DOCUMENT CONTROL FORM

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SAFETY - RELIEF VALVE CHALLENGES
STATION' LGS

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