

PHILADELPHIA ELECTRIC COMPANY

NUCLEAR GROUP HEADQUARTERS

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August 5, 1992

Docket No. 50-352

License No. NPF-39

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

Subject: Limerick Generating Station, Unit 1
Completion of Resolution Action Items in Response
to NRC Bulletin No. 88-04, "Potential Safety-Related
Pump Loss"

Gentlemen:

This letter is to notify the NRC of the completion of all long-term resolution action items in response to NRC Bulletin (NRCB) No. 88-04, "Potential Safety-Related Pump Loss," for Limerick Generating Station (LGS), Unit 1. NRCB No. 88-04 requested licensees to investigate the following potential design concerns involving safety-related centrifugal pumps:

- 1) the potential for a pump to dead-head when it is operating in the minimum flow recirculation mode in parallel with another pump (i.e., pump-to-pump interaction), and
- 2) the adequacy of the minimum flow capacity.

By letters dated June 30, 1988 and July 12, 1990, Philadelphia Electric Company (PECo) responded to NRCB No. 88-04 for LGS, Unit 1, and specified both short and long-term resolution action items and their status. The resolution action items in response to the adequacy of minimum recirculation flow capacity were addressed in the July 12, 1990 letter which indicated that no further corrective actions were necessary in response to this concern.

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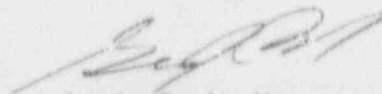
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With regard to the pump-to-pump interaction concern, the July 12, 1990 letter confirmed that the only pumps affected by this concern at LGS, Unit 1 were the Core Spray (CS) system pumps, and indicated that a modification to resolve this concern would be completed prior to restart from the fourth refueling outage for LGS, Unit 1. This modification, to resize the orifice in the common minimum recirculation flow line in each loop of the CS system and install an orifice in each individual CS pump's minimum recirculation flow line, was completed on May 23, 1992, prior to startup from the fourth refueling outage which ended on July 9, 1992. Note that a similar modification was performed on LGS, Unit 2, in April 1989, prior to receipt of the operating license. In addition, final modification testing also verified adequate minimum recirculation flow capacity for the Unit 1 CS pumps. This represents completion of the long-term resolution action items in response to NRCB No. 88-04.

NRCB No. 88-04 requested that a written response describing the long-term resolution action items be provided to the NRC within 30 days of completion of the action items. Although the modification was completed on May 23, 1992, we consider completion of this action item to be concurrent with the end of the fourth refueling outage which occurred on July 9, 1992 as stated previously. Therefore, this response is being provided within 30 days from the date of startup of LGS, Unit 1 from its fourth refueling outage.

If you have any questions, please do not hesitate to contact us.

Very truly yours,



G. J. Beck, Manager
Licensing Section
Nuclear Services Department

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