



PECO ENERGY

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T.S. 3.3.7.10

T.S. 6.9.2

April 19, 1994
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
Special Report for Inoperability of Two Loose-Part
Detection System Channels for More Than 30 Days

This Special Report is being submitted pursuant to the requirements of Limerick Generating Station (LGS), Unit 1 Technical Specifications (TS) Section 6.9.2 as required by TS Section 3.3.7.10, "Loose-Part Detection System." TS Section 3.3.7.10 requires that with one or more of the required Loose-Part Detection System (LPDS) channels inoperable for more than 30 days, a Special Report must be prepared and submitted within 10 days outlining the cause of the malfunction and the plans for restoring the channel(s) to operable status.

On March 12, 1994, Unit 1 was operating at 20% power with power ascension in progress following a refueling outage. During performance of Surveillance Test (ST) procedure, ST-6-107-590-1, "Daily Surveillance Log/OPCONS 1, 2, 3," a channel check was performed for the LPDS per TS Surveillance Requirement 4.3.7.10a. The operator identified that two of the eight channels of the LPDS were not functioning and were inoperable. These two channels monitor the acoustic level on Control Rod Drive housing 02-31 and on the 1A Recirculation Pump suction line nozzle. During the refueling outage conducted in February and March, 1994, the channel calibration and function ST procedures were performed satisfactorily on all of the LPDS channels. The channels were considered operable prior to startup.

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As a result of troubleshooting, the LPDS malfunctions have been isolated to instrumentation contained within the inerted Unit 1 Primary Containment. Therefore, the cause of the malfunctions cannot be reported at this time. Work orders have been initiated to inspect the instrumentation within the Primary Containment and are scheduled to be performed during the next Unit 1 outage of sufficient duration.

The malfunctioning channels have no impact on plant operation and no interim corrective actions are necessary. A supplement to this special report will be submitted once the cause is determined and plans identified for restoring the channels to an operable status.

If you have any questions or require additional information, please contact us.

Very truly yours,

L A Hopkins for R W Boyce

DBN:cah

cc: T. T. Martin, Administrator Region I, USNRC
N. S. Perry, USNRC Senior Resident Inspector, LGS