



PECO NUCLEAR

A Unit of PECO Energy

PECO Energy Company
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Wayne, PA 19087-5691

TS 6.9.1.12

October 4, 1996

Docket No. 50-353

License No. NPF-85

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

Subject: Limerick Generating Station, Unit 2
Issuance of Revision 1 of the Core Operating
Limits Report for Reload 3, Cycle 4

Gentlemen:

Enclosed is a copy of the Core Operating Limits Report (COLR), Revision 1 for Limerick Generating Station (LGS), Unit 2 Cycle 4, Reload 3. This COLR provides the cycle-specific parameter limits for: Maximum Average Planar Linear Heat Generation Rate (MAPLHGR); Minimum Critical Power Ratio (MCPR); ARTS MCPR thermal limit adjustments and multipliers; ARTS MAPLHGR thermal limit multipliers; Rod Block Monitor (RBM) setpoints; MAPLHGR single loop operation (SLO) reduction factor; Linear Heat Generation Rate (LHGR); Turbine Bypass Valve parameters; Recirculation Pump Motor-Generator (MG) Set Scoop Tube Stops; and Reactor Coolant System Recirculation Flow Upscale Trips for LGS, Unit 2, Cycle 4. These values have been determined using NRC-approved methodology and are established such that all applicable limits of the plant safety analysis are met.

Revision 1 of the LGS Unit 2 Cycle 4 COLR contains revised Recirculation Pump Motor-Generator (MG) Set Scoop Tube Stops and the corresponding MCPR(F) and MAPFAC(F) ARTS thermal limits adjustments and multipliers. The MG Set Scoop Tube Stops are being reset to allow access to the relatively higher core flow region of the licensed operating domain (up to 110% of rated) in order to improve reactor maneuvering capability. More restrictive values of MCPR(F) and MAPFAC(F) must therefore be used for thermal limits administration to ensure compliance with fuel licensing limits in the event of a recirculation flow increase event.

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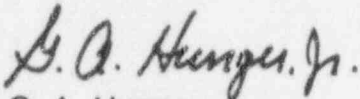
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The subject Revision 1 of the LGS Unit 2 COLR also incorporates the Safety Limit Minimum Critical Power Ratio (SLMCPR) changes based on the plant specific analysis performed by General Electric Co. (GE), for LGS Unit 2 Reload 3, Cycle 4.

This COLR Revision is being submitted to the NRC in accordance with LGS Unit 2 Technical Specifications (TS) Section 5.9.1.12.

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

Very truly yours,



G. A. Hunger, Jr.
Director - Licensing

Enclosure

cc: H. J. Miller, Administrator, Region I, USNRC w/enclosure
N. S. Perry, USNRC Senior Resident Inspector, LGS w/enclosure
R. R. Janati, Director, PA Bureau of Radiological Protection w/enclosure