

2.0 SAFETY LIMITS (SLs)

2.1 SLs

2.1.1 Reactor Core SLs

2.1.1.1 With the reactor steam dome pressure < 785 psig or core flow < 10% rated core flow:

THERMAL POWER shall be $\leq 25\%$ RTP.

2.1.1.2 With the reactor steam dome pressure ≥ 785 psig and core flow $\geq 10\%$ rated core flow:

MCPR shall be ≥ 1.07 for two recirculation loop operation or ≥ 1.08 for single recirculation loop operation.

2.1.1.3 Reactor vessel water level shall be greater than the top of active irradiated fuel.

2.1.2 Reactor Coolant System Pressure SL

Reactor steam dome pressure shall be ≤ 1325 psig.

2.2 SL Violations

With any SL violation, the following actions shall be completed:

2.2.1 Within 1 hour, notify the NRC Operations Center, in accordance with 10 CFR 50.72.

2.2.2 Within 2 hours:

2.2.2.1 Restore compliance with all SLs; and

2.2.2.2 Insert all insertable control rods.

2.2.3 Within 24 hours, notify the Plant Manager and the Vice President—Peach Bottom Atomic Power Station.

(continued)

2.0 SAFETY LIMITS (SLs)

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2.1.1 Reactor Core SLs

2.1.1.1 With the reactor steam dome pressure < 785 psig or core flow < 10% rated core flow:

THERMAL POWER shall be \leq 25% RTP.

2.1.1.2 With the reactor steam dome pressure \geq 785 psig and core flow \geq 10% rated core flow:

MCPR shall be ≥ 1.07 for two recirculation loop operation or ≥ 1.08 for single recirculation loop operation.

2.1.1.3 Reactor vessel water level shall be greater than the top of active irradiated fuel.

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(continued)

ATTACHMENT 3

PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3

Docket Nos. 50-277
50-278

License Nos. DPR-44
DPR-56

LICENSE CHANGE REQUEST
No. 96-01

Letter from R. M. Butrovich (GE Nuclear Energy) to
H. J. Diamond (PECO Energy), "GE13 Single Loop Operation SLMCPR,"
dated June 12, 1995



Richard M. Butrovich
Fuel Project Manager

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June 12, 1995
RMB:95-125

cc: R. A. Hanvelt
S. P. Congdon
J. F. Klapproth
J. M. Carmody

Mr. H. J. Diamond, Director
Fuel & Services Division
PECO ENERGY COMPANY
965 Chesterbrook Boulevard
Wayne, PA 19087-5691

SUBJECT: GE13 Single Loop Operation SLMCPR

REFERENCE: 1. Letter, J. F. Klapproth to NRC-DCD, "Completion of GE13 Licensing Qualification", December 30, 1993.
2. Letter, J. F. Klapproth to R. C. Jones Jr., "Safety Limit MCPR for GE13 Fuel", September 27, 1994.

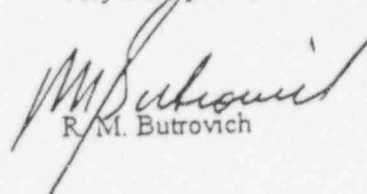
Dear Hugh:

In Reference (1) GE notified the NRC that the GE13 design fully complies with the GESTAR-II Amendment 22 acceptance criteria for new fuel designs. Reference (2) requested NRC approval of the generic GE13 SLMCPR (1.09) to facilitate utility implementation of GE13 Fuel. Prior NRC approval would allow future utility technical specification amendment requests to be treated as an administrative change.

Single Loop Operation (SLO) is considered as a special case for the Safety Limit MCPR. The uncertainty associated with the core flow measurement is greater for this case. It has also been demonstrated that SLO results in increased noise in neutron flux measurements. The SLMCPR for SLO is determined in the same manner as the reference SLMCPR value, accounting for the increased uncertainty in core flow and TIP/LPRM measurements.

The Single Loop Operation Safety Limit MCPR (1.11) may be applied to Limerick Units 1 and 2 and Peach Bottom Units 2 and 3 with GE13 fuel. Transition cycles incorporating GE13 fuel are expected to be bounded by this analysis. The GE13 SLO Safety Limit MCPR analysis has been performed in compliance with Amendment 22 of GESTAR II and is documented in DRF A00-05616-1.

Very truly yours,


R. M. Butrovich