

ATTACHMENT 1

PEACH BOTTOM ATOMIC POWER STATION
UNIT 2

Docket No. 50-277

License No. DPR-44

TECHNICAL SPECIFICATIONS CHANGES

Attached Page

Unit 2

TS Page 2.0-1

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 \geq 785 psig and core flow \geq 10% rated core flow:

111 MCFR shall be \geq 1.07 for two recirculation loop operation
113 or \geq 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 \leq 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)

ATTACHMENT 2

PEACH BOTTOM ATOMIC POWER STATION
UNIT 2

Docket No. 50-277

License No. DPR-44

REVISION TO LICENSE CHANGE REQUEST
NO. 96-01

Letter from R. M. Butrovich (GENE) to
H. J. Diamond (PECO Energy), "Peach Bottom Unit 2
Cycle 12 Safety Limit MCPR," dated August 8, 1996



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Nuclear Energy Division
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August 8, 1996
RMB:96-160

cc: J. M. Carmody
T. R. Loomis
G. C. Storey
D. B. Waltermire
C. W. Smith

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

SUBJECT: Peach Bottom Unit 2 Cycle 12 Safety Limit MCPR

REFERENCE: 1. Letter, R. M. Butrovich to H. J. Diamond, "Generic GE11 Safety Limit MCPR Calculation", April 2, 1996

Dear Hugh:

Reference 1 advised PECO Nuclear of discoveries related to the methodology used by GE to calculate SLMCPR that indicated the generic SLMCPR may not always yield the most conservative result. GE has performed a plant unique evaluation for Peach Bottom Unit 2 Cycle 12. The SLMCPR is 1.11 (Generic GE13 is 1.09). The single loop operation SLMCPR is 1.13. The calculation was based upon USNRC approved methods ("General Electric Standard Application for Reactor Fuel," NEDE-24011-P-A-11, and U.S. Supplement, NEDE-24011-P-A-11-US, November 17, 1995) and interim implementing procedures. Revision 11 of the aforementioned document, "GESTAR II", requires that the SLMCPR be reconfirmed each cycle. This reconfirmation was performed using the interim implementing procedures which the NRC staff discussed with GENE during their meetings on April 17, 1996 and May 6, 1996 through May 10, 1996. These interim procedures include cycle-specific parameters which include: 1) the actual core loading, 2) conservative variations of projected control blade patterns, 3) the actual bundle parameters (e.g., local peaking), and 4) the full cycle exposure range.

If you have any questions, please give me a call.

Very truly yours,

R. M. Butrovich
Fuel Project Manager