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L. T. Gucwa
Chief Nuclear Engineer
Power Generation Department



the southern electric system
NED-83-290

May 10, 1983

Director of Nuclear Reactor Regulation
Attention: Mr. John F. Stolz, Chief
Operating Reactors Branch No. 4
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

NRC DOCKET 50-366
OPERATING LICENSE NPF-5
EDWIN I. HATCH NUCLEAR PLANT UNIT 2
MAPLHGR LIMITS

- References: (1) Letter, J. F. Stolz (NRC) to J. T. Beckham (GPC),
February 3, 1982
(2) Letter, R. E. Engel (GE) to D. G. Eisenhut (NRC),
"Extension of Emergency Core Cooling System Per-
formance Limits," May 6, 1981
(3) Letter, R. E. Engel (GE) to T. A. Ippolito (NRC),
"Additional Information Regarding Extension of
Emergency Core Cooling System Performance
Limits," May 28, 1981

Gentlemen:

Georgia Power Company (GPC) would like to amend its submittal of March 30, 1983, in order to respond to your question concerning the extension of MAPLHGR limits for Hatch. We have evaluated the results of our ECCS analyses for all fuel types which may be inserted in Hatch-2, and we have concluded that the results conform to the criteria specified in reference 1. With the exception of three exposure points, the peak clad temperatures for Hatch-2 fuel do not exceed those assumed in GE's BWR-4 limiting plant analysis. In these three cases the peak clad temperature for the Hatch-2 fuel is below the 20° margin which is considered a significant deviation by 10 CFR 50 Appendix K (Section II.1.b). We conclude, therefore, that our ECCS analysis results justify the operation of all Hatch-2 fuel types at exposures greater than 30000 MWd/st.

Sincerely yours,

L. T. Gucwa

L. T. Gucwa

Boo!

DLT

DLT/NSF/mb

xc: J. T. Beckham, Jr.
H. C. Nix, Jr.
J. P. O'Reilly (NRC- Region II)
Senior Resident Inspector

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PDR ADOCK 05000366
P PDR

ENCLOSURE

PEAK CLAD TEMPERATURES AT EXTENDED BURNUP
FOR HATCH-2 FUEL (ALL 8X8R UNLESS SPECIFIED)

EXPOSURE (GWD/ST)	LIMITING PLANT PCT(OF) (8X8R)	LIMITING PLANT PCT(OF) (7X7)	8DRB221	P8DRB284LA	P8DRB283	P8DRB265H	8DRB265H	HATCH-1 IC FT 1,2,3 (7X7)
20	2200	2200	2195	2194	2184	2188	2198	2199
25	2170	2200	2138	2130	2112	2113	2147	2198
30	2130	2200	2061	2032	2061	2027	2067	2013
35	1980	2110	1980	1934	1981	1939	1994	1886
40	1900	1930	1897	1840	1878	1840	1904	1729
45	1800			1758	1788	1756		