



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

May 25, 1990

Docket No. 50-424

Mr. W. G. Hairston, III
Senior Vice President -
Nuclear Operations
Georgia Power Company
P.O. Box 1295
Birmingham, Alabama 35201

Dear Mr. Hairston:

SUBJECT: TEMPORARY WAIVER OF COMPLIANCE - VOGTLE ELECTRIC GENERATING PLANT,
(VEGP) UNITS 1 AND 2

By letter dated May 25, 1990, you requested an emergency Technical Specification (TS) change to enable the high jacket water temperature trip on the VEGP emergency diesel generators (EDGs) to be bypassed in order to minimize the potential for spurious EDG trips in the emergency start mode. The request results from your desire to install a modification to add isolation valves in the instrument tubing between the EDG high jacket water temperature elements and the local EDG control panel that will manually bypass the high jacket water temperature trip for all emergency start signals.

Currently TS 4.8.1.1.2h(6)(c) requires that on a loss of voltage on the emergency bus in conjunction with a safety injection actuation signal that the non-essential EDG trips be verified as bypassed and that the four essential trips: engine overspeed, low tube oil pressure, high jacket water temperature and generator differential, not be bypassed. Your emergency TS request would allow the high jacket water temperature trip to be bypassed in addition to the other non-essential trips. Your request includes your analysis and justification as to why this proposed change does not involve a significant hazards consideration.

We have reviewed your request and the supporting analysis and find them acceptable. Accordingly, this letter confirms the verbal granting on May 25, 1990 of a temporary waiver of compliance from the requirement of TS 4.8.1.1.2h(6)(c)

9006010147 900525
PDR ADCK 05000424
P FDC

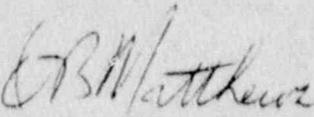
DFC
11

Mr. W.G. Hairston, III

- 2 -

such that the high jacket water temperature trip may be bypassed as reflected on the attached proposed TS page. This temporary waiver of compliance remains in effect until the NRC staff can complete the processing of your TS change request.

Sincerely,

for 

Gus C. Lainas, Assistant Director
for Region II Reactors
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosure: As stated

cc: w/enclosure
See next page

Mr. W. G. Hairston, III
Georgia Power Company

Vogtle Electric Generating Plant

cc:

Mr. J. A. Bailey
Manager - Licensing
Georgia Power Company
P.O. Box 1295
Birmingham, Alabama 35201

Mr. J. Leonard Ledbetter, Director
Environmental Protection Division
Department of Natural Resources
205 Butler Street, S.E., Suite 1252
Atlanta, Georgia 30334

Mr. G. Bockhold, Jr.
General Manager, Vogtle Electric
Generating Plant
P.O. Box 1600
Waynesboro, Georgia 30830

Attorney General
Law Department
132 Judicial Building
Atlanta, Georgia 30334

Regional Administrator, Region II
U.S. Nuclear Regulatory Commission
101 Marietta Street, N.W., Suite 2900
Atlanta, Georgia 30323

Mr. Alan R. Herdt
Project Branch #3
U.S. Nuclear Regulatory Commission
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Office of the County Commissioner
Burke County Commission
Waynesboro, Georgia 30830

Mr. Dan Smith
Program Director of
Power Production
Oglethorpe Power Corporation
100 Crescent Centre
Tucker, Georgia 30085

Office of Planning and Budget
Room 615B
270 Washington Street, S.W.
Atlanta, Georgia 30334

Charles A. Patrizia, Esq.
Paul, Hastings, Janofsky & Walker
12th Floor
1050 Connecticut Avenue, N.W.
Washington, D.C. 20036

Mr. C. K. McCoy
Vice President - Nuclear, Vogtle Project
Georgia Power Company
P.O. Box 1295
Birmingham, Alabama 35201

Resident Inspector
Nuclear Regulatory Commission
P.O. Box 572
Waynesboro, Georgia 30830

Mr. R. P. McDo 1d
Executive Vice President -
Nuclear Operations
Georgia Power Company
P. O. Box 1295
Birmingham, Alabama 35201

~~##~~ THE HIGH JACKET WATER TEMPERATURE TRIP MAY BE
BYPASSED.

SURVEILLANCE REQUIREMENTS

auto-start signal; the steady-state generator voltage and frequency shall be maintained within these limits during this test;

- 6) Simulating a loss-of-offsite power in conjunction with an ESF Actuation test signal, and:
 - a) Verifying deenergization of the emergency busses and load shedding from the emergency busses;
 - b) Verifying the diesel starts on the auto-start signal, energizes the emergency busses with permanently connected loads within 11.5 seconds,^a energizes the auto-connected emergency (accident) loads through the load sequencer and operates for greater than or equal to 5 minutes while its generator is loaded with the emergency loads. After energization, the steady-state voltage and frequency of the emergency busses shall be maintained at 4160 ± 170 , -410 volts and 60 ± 1.2 Hz during this test; and
 - c) Verifying that all automatic diesel generator trips, except engine overspeed, low lube oil pressure, high jacket water temperatures and generator differential, are automatically bypassed upon loss of voltage on the emergency bus concurrent with a Safety Injection Actuation signal.
- 7) Verifying the diesel generator operates for at least 24 hours. During the first 2 hours of this test, the diesel generator shall be loaded to an indicated 7600 to 7700 kW,^{##} and during the remaining 22 hours of this test, the diesel generator shall be loaded to an indicated 6800-7000 kW.^{##} The generator voltage and frequency shall be 4160 ± 170 , -135 volts and 60 ± 1.2 Hz within 11.4 seconds after the start signal; the steady-state generator voltage and frequency shall be 4160 ± 170 , -410 volts and 60 ± 1.2 Hz during this test. Within 5 minutes after completing this 24-hour test, perform Specification 4.8.1.1.2h.6)b);^{##}
- 8) Verifying that the auto-connected loads to each diesel generator do not exceed the continuous rating of 7000 kW;
- 9) Verifying the diesel generator's capability to:

^aAll engines starts for the purpose of surveillance testing as required by Specification 4.8.1.1.2 may be preceded by an engine prelube period as recommended by the manufacturer to minimize mechanical stress and wear on the diesel engine.

^{##}This band is meant as guidance to avoid routine overloading of the engine. Loads in excess of this band or momentary variations due to changing bus loads shall not invalidate the test.

[#]Failure to maintain voltage and frequency requirements due to grid disturbances does not render a 24-hour test as a failure.

[#]If Specification 4.8.1.1.2h.6)b) is not satisfactorily completed, it is not necessary to repeat the preceding 24-hour test. Instead, the diesel generator may be operated at the load required by Surveillance Requirement 4.8.1.1.2.a5 kW for 1 hour or until operating temperature has stabilized.

Mr. W.G. Hairston, III

- 2 -

such that the high jacket water temperature trip may be bypassed as reflected on the attached proposed TS page. This temporary waiver of compliance remains in effect until the NRC staff can complete the processing of your TS change request.

Sincerely,

15/ David B. Matthews

for Gus C. Lainas, Assistant Director
for Region II Reactors
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosure: As stated

cc: w/enclosure
See next page

DISTRIBUTION

<u>Docket File</u>	EJordan MNBB-3302
NRC & LPDRs	ACRS (10) P-315
PD23 Rdg File	Catawba Plant File
SVarga 14/E/4	AHerdt RII
GLainas 14/H/3	LReyes RII
DMatthews	AMendola 14/E/4
RIngram	
TReed	
OGC 15/3/18	

cc: See next page	DOC NAME: YOGTLE TEMP WAIVER		
LA:PDII-3	PM:PDII-3	D:PDII-3	AD:DRP
RIngram	TReed:jkd	DMatthews	<i>for</i> GLainas
05/25/90	05/16/90	05/25/90	05/25/90