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R. E. Conway
Senior Vice President

the southern electric system

June 13, 1986

Director of Nuclear Reactor Regulation
Attention: Mr. B. J. Youngblood
PWR Project Directorate #4
Division of PWR Licensing A
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

File: X7N00-24
Log: GN-929

NRC DOCKET NUMBERS 50-424 AND 50-425
CONSTRUCTION PERMIT NUMBERS CPPR-108 AND CPPR-109
VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 AND 2
FSAR AMENDMENT NUMBER 24

Dear Mr. Denton:

Georgia Power Company, acting on its own behalf and as agent for Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and the City of Dalton, Georgia, hereby submits Amendment 24 to the Vogtle Electric Generating Plant (VEGP) Final Safety Analysis Report (FSAR).

This amendment consists of revised pages for the FSAR as documented in previous correspondence with the NRC, design and/or operational updates, and closure of SER items. A listing of the letters and updates are itemized in Attachment 1. Please note that some of the revisions may require changes to the SER. Also included are instructions for inserting the Amendment 23 FSAR changes.

In accordance with the requirements of 10 CFR 54.30(b) and (c), three (3) signed originals and sixty (60) copies of Amendment 24 are submitted for your use.

Should you have any questions on the enclosed submittals, do not hesitate to contact me.

Yours truly,

R. E. Conway

SWORN AND SUBSCRIBED BEFORE ME, THIS
4th DAY OF June, 1986

Jacqueline R. Smith
Notary Public, Georgia State at Large

My Commission Expires Apr. 11, 1988

B001
3/60

1 Extra
Cys To: M. Miller
PM

File: X7N00-24
Log: GN-929

xc: M. A. Miller
R. A. Thomas
G. Bockhold, Jr.
L. T. Gucwa
J. E. Joiner, Esquire
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H. H. Gregory, III
D. C. Teper
W. C. Ramsey
Vogtle Project File

0362V

ATTACHMENT 1

FSAR Section	Reason for Change
1.9.26, 3.1	Clarification, Walker to Kelley, 3/15/86
1.9.68, Q640.25	Update to agree with NSSS standard start-up procedures
1.9.88	Clarification to reflect incorporation of WCAP-8370/7800 in Section 17.1
1.9.133	Reflect Technical Specifications
1.9.150, 5.2.3.4	Clarification to RV weld inspection
T1.9-1, 2, & 3	Update to reflect use of NRC approval code cases
2.4, 2.5	Revised to reflect latest information and analysis for groundwater hydrology
3.6.1, 3..6.2	Revised criteria to reflect actual rather than mechanistic breaks
3.7.B.3	Reflect use of multiple response spectra methodology (1)
3.8.1	Reflect current design, wedge material in containment post-tensioning system
3.9.B.1	Reflect use of additional computer program
3.9.B.3, Q210.54	Amplification of deflection criteria for supports
3.11.N.1	Reflect EQ updates
3F	Reflect flood level analysis
4A	CI-15; update to reflect use of RTDs in place of thermocouples

FSAR Section	Reason for Change
6.2.5	Reflect Technical Specifications
7.1.1	Clarify "Phase B" isolation; human factor HED implementation
7.2.1, 7.3.5, 7.3.6, 7.3.7	CI-26; update logic diagrams to reflect override of control room isolation signals
T7.5.2-1	Update instrument ranges
8.2.2	Documentation of use of ASTM-B189
8.3.1, Q430.62	Reflect Technical Specifications
8.3.1.4	Clarification of cable tray fill at transition points
8.3.2.1	Reflect current design, upgraded minimum inverter operating voltage (2)
8.3.2	Reflect current design; resolve NRC finding 424/85-21-02
9.2.6	Reflect current analysis and Technical Specifications; minimum CST capacity (3)
9.2.10, 9.2.11	Reflect current design, turbine plant cooling load
9.5.1, 9A, 9B	OI-7 & 8; reflect safe shutdown analysis
10.3.5	Consistency with Q281.6 commitment to use EPRI-NP-2704 for chemistry control
10.4.9	Reflect current design; check valves in AFW system, and location of CST level alarm (3)
T12.3.4-2	Instrument setpoint change to reflect actual testing
Chapter 13	OI-11; reflect new corporate structure, Bailey to Denton, GN-878, 4/21/86; training, Bailey to Denton, GN-862, 4/4/86, and 5/26/86 NRC teleconference
14.2.8	Reflect current test procedures

FSAR Section	Reason for Change
Q210.47	Clarification from NRC during teleconference, 1/15/86
Q271.1	CI-14; Bailey to Denton, GN-903, 5/7/86; P&V operability
Q430.2	CI-35; Bailey to Denton, GN-877, 4/21/86; diesel load test

(1) SER impacted, pages 3-28 & 29, by the additional use of multiple response spectra methodology rather than the exclusive use of the envelope method.
(2) SER impacted, page 8-7, vital AC buses will operate at a minimum of 105 rather than 104 volts.
(3) SER impacted, pages 9-22 & 10-19, by requirement for 340,000 rather than 330,000 gallons in the CST.

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