

April 30, 1984

Docket Nos.: 50-424
and 50-425

APPLICANT: Georgia Power Company

FACILITY: Vogtle, Units, 1 and 2

SUBJECT: SUMMARY OF GDC 51 TELECON HELD ON APRIL 2, 1984

On April 2, 1984, the NRC, Southern Company Services, and Bechtel held a telecon to discuss the applicant's compliance with GDC 51. The participants are listed in Enclosure 1. Several items were discussed involving changes to the GDC 51 Summarization Table included as Enclosure 1 to a December 30, 1983 meeting summary. The revision to this table, including preliminary values for permissible lowest service metal temperature (PLSMT), as discussed in the telecon, are summarized in Enclosure 2.

A discrepancy concerning the heat treatment of the disc of auxiliary feedwater valve was clarified. The Certified Material Test Report (CMTR) indicated a heat treatment at 3 1/2 hours at 1650°F while the chart indicated 3 1/2 hours at 1850°F. The applicant indicated that the temperature of 1650°F is the correct one. This clarification is reflected in Enclosure 2.

Regarding the feedwater check valve, the applicant had previously indicated that the minimum design thicknesses for pressure retention for the bonnet and disc were 2.75 and 2.5 inches, respectively. The changes in the PLSMT as a result of this new information were discussed and are summarized in Enclosure 2.

Additionally, the PLSMT values for the stop check globe valve and the tilt disc check valve were discussed and are outlined in Enclosure 2.

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Revision to Vogtle GDC 51 Summarization

<u>Penetration</u>	<u>Material</u>	<u>PLSMT (°F)</u>
Sleeves (Pen. 91 Typ.)	SA 333 Gr. 6	25
Feedwater Check Valve		
Bonnet	SA 515 Gr. 70	112
Disc	SA 216 WCB	65
Auxiliary Feedwater System		
Spool S01	SA 106	a
Spool S05	SA 106	a
Spool S13	SA 106	25
Spool S14	SA 106	a
Auxiliary Feedwater Valve		
Body	SA 216 WCB	65
Bonnet	SA 105	30
Disc	SA 216 WCB	65
Stop Check Globe Valve		
Body	SA 216 WCB	40
Bonnet	SA 105	25
Disc	SA 105	25
Bolting	N/A	
Tilt Disc Check Valve		
Body	SA 216 WCB	25
Disc	SA 216 WCB	25
Cover (Hinge Pin)	SA 105	29
Bonnet	SA 515 Gr. 70	112
Bolting		
Studs	SA 193 B7	b
Nuts	SA 194 2H	b

Notes

- a. This material is less than 5/8" thick and therefore exempted under GDC 51.
- b. These materials are categorized by NUREG 0577 as having least susceptibility to brittle failure.