A-154

BRINEY EXHIBIT B

Melini A. Life

Vogtle Electric Generating Plant NUCLEAR OPERATIONSCKETED

1

Procedure No.
22332-C
Revision No.

5-30-89

Unit COMMON

Georgia Power

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OFFICE OF SECRETARY

USHRC

'95 SEP -8 P4:03

VOID

TEMPERATURE SWITCH CALIBRATION

NUCLEAR REGULATORY COMMISSION BR

Docket No. 5 v. 424 v 425 . 0 co 3 EXHIBIT NO. II - 154

In the matter of Sa Fewer Vog 12c

Staff Applicant Intervenor Other

Identified Preceived Rejected Reporter (VLW)

Date 8-22-95 Witness DRINEY

9509120291 950822 PDR ADOCK 05000424 G PDR

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			and the second s
1.0	PURPOSE		
	The purpose instructions	of this procedure is to p for Calibration of a Ter	provide mperature Switch.
2.0	PRECAUTIONS	AND LIMITATIONS	
2.1	All steps in sequence exc	this procedure are to be cept as noted.	e performed in []
2.2	double aster	of procedure step, as identified in the control of	ialed on
2.3	service a co	ent may be located in a randontaminated process fluid d. If so, follow instruc-	, or be
2.4	Verification Test/Calibra	Related Systems, an Independent of the shall be performed after ation and initialed in "Real" section of "Checklist"	r completion of estoration
2.5	Any calcular procedure st	tions necessary for the penall be shown on "Calcula	erformance of this tion Sheet". []
2.6	with a completag. Instead	each lead (wire) to be l leted and installed jumpe ad of "Control No.", the dentified on the tag.	ifted is marked r and lifted wire "Procedure No."
2.7	must remain	cedure is completed and to installed and/or lifted of , a Jumper and Lifted Wir r Procedure 00306-C, "Tem Control".	wire(s) cannot be e Clearance must be
2.8		try of foreign materials ts of the instrument.	or dirt into the
2.9	If, during following of	performance of this proce ccur, immediately notify	dure, any of the I&C Foreman.
2.9.1	malfunction	el error, procedure inade is identified which coul of "Acceptance Criteria"	d prevent
2.9.2	Any test ex	ceeds specified limits.	[]

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Commence Advances in November 1. The Particular State of the Commence of the C		4		
2.10	This procedu	ure may be performed in any mode.	plant	[]
3.0	PREREQUISITE	ES OR INITIAL CONDITIONS		
3.1 */*	Notify Shift performed an	t Supervisor, or designee, nd obtain signature authori	of work to be zation.	[]
3.2	accordated t	tor Operator (RO) that inst with switch may be erratic ormance of this procedure a	or inoperable	[]
3.3	TEST EQUIPM	ENT REQUIRED		
3.3.1	Temperature	Bath		[]
3.3.2	Fluke 2175A	Digital Thermometer or equ	ivalent	[]
3.3.3	Triplett Mo	del 630 VOM or equivalent		[]
3.4	Verify all met.	Prerequisities or Initial C	Conditions are	[]
4.0	MAIN BODY			
4.1	CALCULATION	S		
4.1.1 */*	controlled	rument setpoint Data from a document(s) and record docusection of "Data Sheet".	ippropriate iment number(s)	in
4.1.2 */*	Calculate a "Input" and	nd record input and expected "Expected" sections of "Da	ed values in ata Sheet".	[]
4.1.3	Calculate H	i and Lo Limits and record sections of "Data Sheet".	in "Hi Limit"	and []
4.2	REMCVAL FRO	M SERVICE		
		NOTE		
	í	The length of capillary mmersed in temperature bath must be the same as length capillary immersed in process	of	
4.2.1	Close isola	ntion valve (if applicable)		[]

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4.2.2 */*	Disconnect (Independent systems)	lead wires t Verificat	from switch ion required	as required. for safety-relat	[] ed
4.2.3	Remove tempand/or hold	erature sen ing apparat	sing element us as necess	from thermowell ary.	[]
4.3	CALIBRATION				
4.3.1	Place tempe thermometer	rature sens in tempera	ing element ture bath.	and Fluke digital	[]
4.3.2	Connect VOM	across app ion of swit	ropriate ter ch under tes	rminals to monitor	[]
4.3.3	Adjust tem indicates c	perature ba ontacts are	th to a poir	nt at which VOM ondition.	[]
		NO	TE		
	t b i t a	emperature e adjusted ncrements, emperature fter each a	allowing to stabilize djustment of bath and pri data and	e f	
4.3.4 */*	point is in	dicated by	VOM and reco	at which required ord temperature baata Sheet".	ith
4.3.5 */*	Adjust tempreset contatemperature Sheet".	perature bat act action in bath value	h to point as indicated in "As Foun	at which required by VOM and record nd" section of "Da	d nta []
4.3.6	If required	d, connect \steps 4.3.3	OM to addit thru 4.3.5	ional switch conta	acts []
4.3.7	"Data Sheet desired, re	t" and more ecord reading	accurate rengs in "As L	imits specified or adings are not eft" section of "! subsection.	

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4.3.8	If As Found 'Data Sheet' proceed as	readings are not withing, or more accurate read	n limits specified on lings are desired,	
	a. Ensure termina	that VOM is connected al.	across correct switch	
		temperature bath to set on "Data Sheet".	point value as	
	c. Adjust	switch as required to o	obtain correct VOM. []	
	d. Adjust indica value.	temperature bath to postes contact trip action	int at which VOM and note temperature []	
	indica	temperature bath to postess contact reset action ature value.	int at which VOM n and note	
		steps 4.3.8b thru 4.3.8 ments are necessary.	Be until no further	
	g. Record */* of "Da	final values obtained ta Sheet".	in "As Left" section	
4.3.9	steps 4.3.8	ure switch has more than a thru 4.3.8g if approp ve been calibrated.	one contact, repeat riate until all	
4.4	RESTORE TO	SERVICE		
4.4.1 */*	Disconnect this proced	all test equipment used ure.	in performance of	
4.4.2		emperature sensing elem- ing apparatus as require		
4.4.3 */*	Reconnect s	witch leads as required	Π	
4.4.4	Open isolat	ion valve (if applicable	e). []	
*/* 4.4.5 */*		rument reflects current returned to service.	plant conditions []	

PROCEDURE NO.		REVISION	PAGENO	Name and Address of the Owner, where
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4.4.6 */*			have an Independent formed by designated	1
4.4.7	Notify RO service.	that instrument ha	s been returned to	]
4.4.8			designee, of completion of	E
*/*	"Completion		and obtain signature on	1
5.0	ACCEPTANCE	CRITERIA		
5.1	The Accept temperatur Sheet".	ance Criteria for e switch is within	this procedure is that the limits specified on "Data	a
5.2	when I&C F Acceptance	oreman has evaluat	his procedure has been men ed data obtained per procedure, reviewed, and	c
6.0	REFERENCES			
6.1	Instructio	n Manual for switc	h under test.	
6.2	Procedure	00306-C, "Temporar Control"	y Jumper And Lifted Wire	

END OF PROCEDURE TEXT

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			DATA SHEET	SHEET		Sheet 1	of 1
Inst. No.		To	Location		Serial	l No.	
Description	Temperature Sv	Switch Ma	Manufacturer		Model	No.	
NOTES: N/A							
Action		UNITS	EXPECTED	LO LIMIT	HI LIMIT	AS FOUND	AS LEFT
Switch Tripped	pa						
Action		UNITS	EXPECTED	LO LIMIT	HI LIMIT	AS FOUND	AS LEFT
Switch Tripped	pa						
SWILCH Keset		100	444	- 1	- 1	- 1	
Action	-	UNITS	EXPECTED	LO LIMIT	HI LIMIT	AS FOUND	AS LEFT
Switch Tripped	pa						
COMMENTS:							
	TEST FOUITPMENT	LN					
I.D. NO.		CALIBRAT	ION DUE DATE				
	1 1 1						
				PERFORMED I	BY:	DATE:	.: ::
				REVIEWED BY:	7:	DATE:	.; Н
				-			

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## CALCULATION SHEET

Show all calculations performed during course of this procedure in the space below.

Completed by:	Date:
Reviewed by:	Date:
Approved by:	Date:

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## CHECKLIST

tep/Substep STEP VERIFICA  tep/Substep Initial St  .4 Prerequisites met 4.  .2.2 Leads disconnected		ate
tep/Substep Initial St  .4 Prerequisites met 4.  .2.2 Leads disconnected 4.  .2.2 Independent Verification 4.  .4.1 Test equipment removed 4.  .4.2 Element installed 4.  .4.3 Leads connected 4.  RESTORATION VERIFINITIAL		
.4 Prerequisites met	:p/bubblep	Initia
Initial	1.4 Isolation valve open  1.5 Reflects plant conditions	
erformed by:		Initia

PROCEDURE NO. PAGE NO. REVISION VEGP 22332-C 10 of 10 Sheet 1 of 1 COMPLETION SHEET PROCEDURE TITLE TEMPERATURE SWITCH CALIBRATION TIME TEST STARTED BY DATE DEFICIENCIES OCCURRED AND ACTIONS TAKEN TEST RESULTS: ACCEPTABLE [ ] UNACCEPTABLE [ ] TEMPERATURE SWITCH RESTORED TO SERVICE [ ] TEMPERATURE SWITCH COMMITTED TO REPAIR [ ] TEST COMPLETED BY TIME DATE SHIFT SUPERVISOR NOTIFIED / Signature Time Date REVIEWED BY: DATE: APPROVED BY: DATE: