Vogtle Electric Generating Plant Proradure No. A H Handy NUCLEAR OPERATIONS 22350-C Aevision No. a/12/23 2 COMMON Unit _ Georgia Power Page Na of 10 13 DIFFERENTIAL PRESSURE SWITCH CALIBRATION FOR INFO ONLY E. 703101A MCS130 9202210389 920116 PDR ADDCK 05000424 S PDR

	22336-C	6	2 of
1.0	PURPOSE	Rea 3	
	The purpose of this pro instructions for calibr Switches.	cedure is t ation of Di	o provide fferencial Press
2.0	PRECAUTIONS AND LIMITAT	IONS	Sec. Sec. 4
2.1	All steps in this proce sequence except as note	dure are to d.	be performed in
2.2	Performance of procedur double asterisk (*/*), "Checklist" except when	e steps, as shall be in recording	identified by a itialed on data on Data Shee
2.3	The instrument may be lo service a contaminated p so, follow instructions	ocated in a	radiation area,
2.4	Any calculations necessa procedure shall be shown	The fam also	
2.5	For Safety-Related syste Verification shall be pe Test/Calibration, and in Verification" section of	ems, an Inde erformed, af	pendent Restorat ter completion o
2.6	Ensure that each lead (w with a completed and ins tag. Instead of "Contro should be identified on	I No " the	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2.7	If this procedure is com must remain installed an reconnected, a Jumper an obtained per Procedure O Lifted Wire Control".	d Lifted Wi	wire(s) cannot !
2.8	For Non-Safety Related s marked non-applicable (N	ystems, QC /A) on "Che	Hold Points may b cklist".
2.9	This procedure may be per operational mode.		
2.10	If, during performance of following occur, immediat	f this proc tely notify	edure, any of the I&C Foreman:
2.10.1	Any personnel error, proc malfunction is identified fulfillment of "Acceptanc	edure inade	equacy, or
2.10.2	Any test exceeds specifie		

	VECP	22336-C	2	3 of 1	0
	95 - E-S		and a second	and the second se	
	3.0	PREREQUISITE	S OR INITIAL CONDITIONS		
	<u>3.1</u> <u>*/*</u>	Notify Shift performed an	Supervisor, or designee, d obtain signature author	of work to be ization.	11
	3.2 */*	Notify React	or Operator (RO) that ins ith switch may be erratic rmance of this procedure	truments	
	3.3	TEST EQUIPMEN	T		()
	3.3.1	Triplett Mode	el 630 PLK Multimeter or	equivalent.	[]
	3.3.2	Variable Pres			()
	3.3.3	Pressure Test	Gauge.		11
	3.4 */*	Verify all Pr met.	erequisites or Initial Co	onditions are	()
	4.0	MAIN BODY			
	4.1	CALCULATIONS			
	4.1.1 */*		ment setpoint data from a cument(s) and record docu ction of "Data Sheet".	ppropriate ment number in	11
1	<u>4.1</u> .2 <u>*/*</u>		ected values and moord (n "Expected"	[]
	4.1.3 */*	Calculate Hi a Limit" and "Lo	and Lo limit values and r o Limit" sections of "Dat	ecord in "Hi a Sheet".	()
	4.2	REMOVAL FROM S			
-	4.2.1	Close high pre	essure isolation valve.		[]
	4.2.2	Open equalizin			()
	4.2.3	Close low pres	sure isolation valve.		11
					5 8 1

FURINFO

	사람이 있는 것은	114 BATTANO		
		WARNING		
F	U TO A S REC PHY USE THE OF	TRAPPED FLUID VENTED DU LATION FROM OR RESTORATI SERVICE MAY BE CONTAMINA UITABLE CONTAINER, AS OMMENDED BY THE HEALTH SICS DEPARTMENT, SHALL B D TO ENTRAP THIS FLUID. FLUID SHOULD BE DISPOSE IN ACCORDANCE WITH HEALT SICS DEPARTMENT PROCEDUR	ON TED. E	
4.2.4	Vent D/P swite vent.	ch to slowly bleed press	ure, then clos	e
4.2.5	Open input tes	st ports.		
4.3	CALIBRATION			
4.3.1 */*	Disconnect D/P Safety-Related required.)	' switch lead wires as re , an Independent Verific	equired. (If ation is	
4.3.2	Close equalizi	ng valve.		
4.3.3		TR SOUTCA FAST STUD	d DMM to D/P	
		NOTE		
	press	ng calibration one side /P switch is vented whil sure is applied to the site side.	e	
4.3.4	Adjust pressure record pressure Sheet".	a source until D/P switch a in "As Found" section of	h trips and of "Data	
4.3.5 <u>*/*</u>	Adjust pressure record pressure Sheet".	source until D/P switch in "As Found" section of	resets and of "Data	
4.3.6 <u>*/*</u>	desired, record	ues are within limits sp d more accurate values a values in "As Left" sec eed to step 4.3.11.		(
4.3.7	QC Hold Point			
-	Obtain QC author with procedure.	rization to proceed befo	re continuing	

VEGP	22336-C	2	PAGENO 5 of 10
4.3.8	If As Found "Data Sheet" proceed as f	values are not within lim or more accurate values ollows:	aits specified on are desired,
	a. If not correct	already performed, connec D/P switch terminals.	t DMM acrous
	b. Adjust	as required to obtain cor	rect values.
		pressure source unril D/D	
	d. Adjust p Note pre	pressure source until D/P essure.	
	e. Repeat s adjustme	steps 4.3.8b thru 4.3.8d ents are necessary.	
4.3.9 */*	Adjust pressu record pressu	re source until D/P swittere in "As Left" section of	
4.3.10 */*	Adjust pressu	re source until D/P switt re in "As Left" section of	
4.3.11	If D/P switch	has more than one switch hrough 4.3.10 as required	contact, repeat
4.4	RESTORE TO SE		1. (
4.4.1	Reduce test p	ressure to zero psig.	ſ
4.4.2 */*		test equipment comment	
4.4.3	QC Hold Point		
	Obtain QC auth with procedure	norization to proceed bef	ore continuing
4.4.4	Reconnect lead	wires to switch.	, ť
4.4.5 */*	Close input te	st ports. 500	MPA
4.4.6	Open equalizin	g valve.	t V ti
4.4.7 */*	Slowly open lo	w pressure isolation value	re. []
	Air t used	must be vented from all s in liquid service.	Witches

VEGP	22336-C	2	6 of 10
4.4.8 */*	Close equaliz	ing valve.	[]
4.4.9 */*	Slowly open h	igh pressure isolation v	alve. []
4.4.10 <u>*/*</u>	Inspect valves Immediate act: found.	s, tubing and instrument ion shall be taken to co	rrect any leaks
<u>4.4</u> .11 <u>*/*</u>	Verify switch it is restored	reflects current plant to service.	
4.4.12 */*	For Safety Rel Restoration Vo personnel.	ated systems, have an I prification performed by	designated
4.4.13	Notify RO swit	ch has been returned to	[]
4.4.14 */*	Notify Shife S	upervisor, or designee,	
5.0	ACCEPTANCE CRI		[1
5.1	The Acceptance	Criteria for this proce in specified limits list	dure is the D/P
5.2	Satisfactory co when I&C Forem	ompletion of this proced an has evaluated data ob	lure has been mer
6.0	REFERENCES		
6.1	Instruction Mar	ual for Appropriate Swi	tch under total
6.2	Appropriate Fle	ectrical and Mechanical of instrument.	Drawings required
6.3	Procedure 00306		And Lifted Wire
	END	OF PROCEDURE TEXT	
		FOR	INFO
		이 가지 않는 것 같은 것 같	

he is



6	
-	

Procedure No.		Revision	and the second second second second second				
VEGP	22336-C	newsion	2		Page No.	7	of 19
Instr. No. Description <u>D/P Switch</u>		Locati Manufa	DATA SHE	ET	Seria Model	IEET 1 OF 1	
NOTES: N/A							
ACTION		INFUT	EXPECTED	LO LIMIT	UT TIME	1	1
Switch Trip	8			LO LINII	HI LIMIT	AS FOUND	AS LEFT
Switch Rese	ts						
ACTION		INPUT	EXPECTED	LO LIMIT	UT LTHIT		
Switch Trip	S		SALECIED	LO LINII	HI LIMIT	AS FOUND	AS LEFT
Switch Rese	ts						
ACTION		INPUT	EXPECTED	LO LIMIT	HI LIMIT		
Switch Trip	8			LO LINII	ni Limii	AS FOUND	AS LEFT
Switch Rese	ts						
ACTION		INPUT	EXPECTED	LO LIMIT	HI LIMIT	10 00000 -1	1.
Switch Trip	9			LO DINI	III LIMII	AS FOUND	AS LEFT
Switch Reset	ts					1	
I.D. NO.	TEST EQUIPMENT	CALIBRATION DU	IF DAYE	COMMEN	TS :	0	
				PERFO	RMED BY:	DAT	E
					ED BY: .	DAT	the second se
	L				APD BY	DAT	

	VEGF	22336-C	2	8 of 10
			CALCULATION SHEET	Sheet 1 of 1
•	Sh	ow all calcula ocedure in the	tions performed during co space below.	urse of this
			- 1. X ^{2,2} A	
			FORMAN	J
•			0112.	.1
		leted by:)ate
-		oved by:		ate

VEGP 22336-C	PAGENO
	2 9 of 10
3.1 Shift Supervisor Au	CHECKLIST SHEET 1 OF 1
	/
2.2 Print	Signatury Date
3.2 Reactor Operator (R	(O) Notified
Manufacture permanent and an annual contract of the second data of the second data of the second second second	STEP VERTFICATION Date
Step/Substep	SILF VERIFICATION
And a part of the second se	Initial Step/Substep Initi
3.4 Prerequisites are met	4.4.5 Test ports
	closed
4.3.1 D/P switch lead	4.4.6 Equalizing value
wires disconnected	d4.4.6 Equalizing valve open
4.3.1 Independent	1 1 7 × 5 1
Verification	4.4.7 LP isolation valve open
4.3.7 QC Notified	All and the second
	4.4.8 Equalizing valve
4.4.2 Test equipment	closed
disconnected	4.4.9 HP isolation
4.4.3 QC Notified	valve open
4.4.4 Lead wires	4.4.10 Leak inspection
connected	performed
	4.4.11 Switch reflects
	current plant
	conditions
Analysis and a second statement of the second statement of the second statement of the second statement of the	
	RESTORATION VERIFICATION
1. Lead wires connected	5. Input test ports
2. LP isolation valve	closed
open	
3. Equalizing weine	No
 Equalizing valve closed 	In D Lars
4 UTD 4 - 2 - 4	
 HP isolation valve open 	
-	
	Area V
Darformed L	
Performed by:	Date:
leviewed by:	Date:
and the second	ana da na

VEGP 22336-C	2		10 of 10
	COMPLETION SHEET		eet 1 of 1
PROCEDURE TITLE	DIFFERENTIAL PRES	SURE SWITCH	CALTERATION
	BY		Contraction and an and a second s
DEFICIENCIES OCCURRED A			
	1	NIPA	
	-	NPU-	a na mana a dina ma - sing ina na dina na mana kayon.
	ENTIL	V	1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1
	UN	· · · · · · · · · · · · · · · · · · ·	
	k		and an
		Environment of the president of the later of the state	
TEST RESULTS: ACCEPTA		TABLE []	
SWITCH RESTORED TO SERVI			
SWITCH COMMITTED TO REPA.	IR []		
TEST COMPLETED BY	TIME	DATE	
SHIFT SUPERVISOR NOTIFIED	Signature	Time	Date
REVIEWED BY:	D	ATE	
APPROVED BY:		TE	
		1	