

NUCLEAR REGULATORY COMMISSION INT
Docket No. 424 425-019-3 EXHIBIT NO. II-206
In the matter of Da Four/Voyager
 Staff Applicant Intervenor
 Identified Received Rejected
Date 8-9-95 Witness MISBAUER

DOCKETED
DOCKETED
DOCKETED
DOCKETED

COPY COPY COPY COPY COPY COPY COPY COPY COPY COPY COPY
NUCLEAR PLANT MAINTENANCE WORK ORDER

1. CONTROL NO. 19001629 00 2. DATE 03/29/90 3. UNIT 2 4. SYSTEM LIST 5A. REPAIR TAG
5. MPL/TAG NO. LIST
6. PROB/WORK REQ. DUE TO INCONSISTANCIES FOUND IN CALIBRATION OF THESE TEMPERATURE SWITCHES, CALIBRATION SHOULD BE REPERFORMED.

ORIGINAL

7. INITIATOR	8. SUPRV	10. UNIT	11. FIRE
KEN STOKES	KEN STOKES	STAT	PROTECT NO
9. MWO CLASS B EOP CLASS	13. NCR (PR) N	17. TYPE MAINT	19. DURATION
12. DCR N <u>190-0152</u>	<u>90-152</u>	P	B
16. CRAFT MECH (EST/ACT)	ELEC (EST/ACT)	18. CONT (EST/ACT)	HP/OT (EST/ACT)
0	0	0	0
CREW			
HRS.			
EXP.			
SCHED BEG			
SCHED END			
RESP FOREMAN			
17. CLR V	18. WELD PERM N		RWP PERM N
19. OC HOLD PPTS ATTACHED OC			
QC REVIEWED BY <u>J. Williams</u>			
23. WORK INST.			

CALIBRATE ITSH-19146 HIGH TEMP LUBE OIL, ITSH-19110 (E-16C) HIGH TEMP, J.W, ITSH-19111 (E-16A) AND ITSH-19112 BOTH HIGH TEMP J.W

24. INITIATE REVIEW DATE 3/29/90 MNT DHC DATE 3/29/90 25. SPEC REV REQ N
HP DATE 3/29/90 ENG DATE 3/29/90 26. MWO RELEASE FOR WORK DATE 3/29/90
27. ACT WORK PERFORMED

REMOVED TEMP SW FROM O/G IN TO CHECK CAL IN THE AREA
FOUND GASKET MISSING ON TOP COVER IN TEMP SW ITSH-19110
ITSH-19111 & ITSH-19112. STARTED CHECKING CAL ON ITSH-19112
AS PER 22332.5 AND PER VENDOR DIR. MAINTAIN TANT IN CLEANWELL
MWT. 2.12.90

HIST SUM
 28. MTRL REQD MACH 90-606Y, 90-6011
 29. PERSON PERFORMING WORK (NAME) W.A. Miller DATE 3/29/90 30. MAINTENANCE FOREMAN DATE
 31. INSPECTION PERFORMED BY John Williams DATE 3/29/90
 32. METHOD OF P.T. None Required Due To Type of Work Performed
 33. PROCEDURE
 34. PERFORMED BY W.A. Miller DATE 3/29/90
 36. PROVES OPERABILITY 37. METHOD USED TO PROVE OPERABILITY
 38. SATISFY / UNSATISFY IF UNSAT, CORR. ACTION
 40. UNIT STATUS AT TIME OF FAILURE N 41. TYPE FAIL N 42. MODE OF FAIL N
 43. CAUSE OF FAILURE N 44. DETECT BY N 45. EFFECT ON SYS N
 46. EFF ON PLANT N 47. MWO STAT 6D N 48. CAUSE N 49. CORR ACT. N
 50. NEW MWO NA 51. OPER. ACCEPT BY K. Scott White DATE 3/29/90
 52. OSOS APPROVAL NA DATE N/A
 53. SPEC REV COMP NA DATE N/A
 55. CLOSE OUT APPROVAL BY QC A. T. Train DATE 3/29/90

A TRAIN 3/29/90

9509130012 950809
PDR ADOCK 05000424
PDR

VECP FIRE PROTECTION CHECKLIST

1. MWO NO. 19001623 2. MPL/TAG NO. L15T
 3. LOCATION DG TRWA

4. WILL THE WORK INSTALL, IMPAIR, MODIFY, ISOLATE, DEFEAT, OR REMOVE ANY OF THE FOLLOWING? IF THE ANSWER IS "YES" CHECK THE BOX, AND INDICATE APPROPRIATE DETAILS.

- () SPRINKLER SYSTEM _____
 () INTERIOR HOSE STATION _____
 () HALON SYSTEM _____
 () DETECTION SYSTEM _____
 () EMERGENCY LIGHTING SYSTEM _____
 () PERMANENT COMBUSTIBLES (CABLE, WOOD, PLASTIC, ETC.) _____
 () STRUCTURAL STEEL, OR RACEWAY FIREPROOFING _____
 () FIRE SUPPRESSION SUPPLY SYSTEM (PUMPS, TANKS, ETC.) _____
 () CONDUIT SEALS OR EQUIPMENT ENCLOSURE (CABINET HOUSING) _____
 () FIRE EXTINGUISHER _____
 () COMMUNICATIONS SYSTEM _____
 () RCP OIL COLLECTION SYSTEM _____
 () SEISMIC STANDPIPE SYSTEM _____

5. WILL THE WORK DEFEAT, MODIFY OR IMPAIR ANY OF THE FOLLOWING FIRE SEPARATION FEATURES? IF THE ANSWER IS "YES" CHECK THE BOX, AND INDICATE APPROPRIATE DETAILS.

- () A. FIRE AREA BOUNDARY (WALL, ETC.) _____
 () B. PASSIVE AREA BOUNDARY PENETRATION SEAL ASSEMBLY.
 PENETRATION SEAL _____
 WALL BLOCKOUT _____
 FLOOR PLUG OR HATCH _____
 CABLE TRAY OR CONDUIT WRAP _____
 RADIANT ENERGY SHIELD _____
 () C. ACTIVE FIRE AREA BOUNDARY PENETRATION SEAL.
 FIRE DOOR _____
 FIRE DAMPER _____

6. IF ALL THE ANSWERS IN BLOCKS 4 and 5 ARE "NO", STOP THE EVALUATION HERE, AND ENTER "NO" IN BLOCK 11 OF THE MWO FORM. IF ANY QUESTIONS WERE ANSWERED "YES", ENTER "YES" IN BLOCK 11 OF THE MWO FORM.

EVALUATOR M. S. Goldman DATE 3/29/90

POST WORK REVIEW (COMPLETE "A, B, OR C" BELOW)

(A) THE CONDITION IMPACTING THE FIRE PROTECTION COMPONENTS LISTED ABOVE HAS BEEN REMOVED. FPE _____ DATE _____

(B) THE FIRE PROTECTION COMPONENT IS STILL IMPAIRED. FPE _____ DATE _____

(C) RESTORATION OF THE IMPAIRMENT HAS BEEN TRANSFERRED (Ref: _____) AND THE FIRE PROTECTION LCO LOG HAS BEEN CHANGED TO REFERENCE THE NEW MWO FOR THIS IMPAIRMENT. FPE _____ DATE _____

NON-Q

Material/Equipment Request—NUCLEAR OPERATIONS
VOGTLE ELECTRIC GENERATING PLANT

COPY 2

Department/Contractor: ITC Design Change No.: 3-30-90 Date: 11/30/90 AM: 6088

Description/Tag	Stock Number	Location	Quantity		P. O. No.	MTR No.	Mat'l. Work Order	Unit	Account Number	Resp. Center	Amty. Code
			Ord.	Filled							
SENSOR PN-63565	59070-0009143	C-19-U	1	1	5-81 59879	A	1700 1029	1	8251-551-027	021A	5901

Requested By: Philip Lenley Checked By: Philip Lenley Approved By: [Signature] Date: 3-30-90

Mortons/Equipment Request—NUCLEAR OPERATIONS
 MOGILE ELECTRIC GENERATING PLANT

Q. R. 24 90

Department/Contractor *ISC/WISC*

COPY 2

Description/Tag	Stock Number	Location	Quantity		P.O. No.	MGR No.	Mat'l. Work Order	Unit	Account Number	Recep. Carrier	Avty. Code
			Ord.	Filled							
<i>Kit, Repair 7353</i>	<i>27200-00026640</i>	<i>070-c-10</i>	<i>2</i>	<i>2</i>	<i>PAW 25933</i>	<i>8-1</i>	<i>1900</i>	<i>1</i>	<i>8051-531-027</i>	<i>0312</i>	<i>5201</i>
<i>[The remainder of the table is crossed out with a diagonal line.]</i>											

Date *7-29-90*

Stores Register No. *5068*

Ordered By *Phil Sunday*
 Filled By *W. B. B...*
 Received By *W. B. B...*
 Date *8-2-90*

EQ EVALUATION CHECKLIST

FOR USE ON PROJECT CLASSES Q111, Q212,
Q313, Q013, Q015, Q11E, Q11J, Q12E, 61J

141
WJO NO. 19001629

SECTION I

PART A ORIGINAL PART

1. DESCRIPTION Temp. Sw.
2. TAG NO. 1TS11-19110, -19111, -19112
3. PROJECT CLASS Q11J
4. SPECIFICATION (EQOP) NO. WAKOL
5. MANUFACTURER DE LAVAL
6. MODEL NO. N/A
7. PART NO. _____

PART B REPLACEMENT PART

1. DESCRIPTION REPAIR KIT (GASKETS)
2. MFR NO. 6068
3. STOCK NO. 29200-26648
4. SPECIFICATION (EQOP) NO. WAKOL
5. MANUFACTURER DE LAVAL
6. MODEL NO. N/A
7. PART NO. FS793301
8. PO NO. 2-25935

COMMENTS BOUGHT FOR DG TEMP SWITCHES

SECTION II WORK PLANNING

1. ARE PROCEDURES, VENDOR MANUALS, DRAWINGS OR INSTRUCTIONS AVAILABLE TO DISASSEMBLE/REWORK COMPONENT? YES NO
NA - 13-29-90
(Init. Date)
2. ARE SPECIFICATION NUMBERS FOR ORIGINAL AND REPLACEMENT ITEMS THE SAME? YES NO
3. ARE MANUFACTURER MODEL/PART NUMBERS OF THE ORIGINAL AND REPLACEMENT PARTS THE SAME? YES NO
4. IS BULK MATERIAL LISTED ON ATTACHMENT ACCEPTABLE? LIST ITEM NO. FROM ATTACHMENT IF "NO" IS CHECKED. NA YES NO
1
(Item No.) (Init. Date)

NOTE

If items 2, 3, or 4 are checked No,
the Checklist must be reviewed by
the EQ Group.

- PART(S) ARE ACCEPTABLE FOR USE
 SEND TO EQ GROUP

Wester - 13-31-90
WJO DATE

SECTION III EQ GROUP EVALUATION

- PART IS ACCEPTABLE FOR USE PART IS UNACCEPTABLE FOR USE
JUSTIFICATION FOR ACCEPTANCE:

14
EQ ENGINEER

DATE

COMPLETION SHEET

PROCEDURE TITLE TEMPERATURE SWITCH CALIBRATION

TIME TEST STARTED 16:20 BY W.H. Grant DATE 3-21-90

DEFICIENCIES OCCURRED AND ACTIONS TAKEN

Switch did NOT operate correctly once trip point was reach REV. PIMWD TO CHANGE TEMP SW. CHANGED SWIT

TEST RESULTS: ACCEPTABLE () UNACCEPTABLE (X)

TEMPERATURE SWITCH RESTORED TO SERVICE ()

TEMPERATURE SWITCH COMMITTED TO REPAIR (X)

TEST COMPLETED BY W.H. Grant TIME 13:00 DATE 3-20-90

SHIFT SUPERVISOR NOTIFIED [Signature] 1344 1/21/90
Signature Time Date

REVIEWED BY: Billy J. Milway DATE: 3-20-90

APPROVED BY: [Signature] DATE: 3-20-90

CHECKLIST

3.1 Shift Supervisor Authorization [Signature] 13/29/90
 Signature Date
 3.2 Reactor Operator (RO) Notified [Signature] 13/29/90
 Signature Date

STEP VERIFICATION

Step/Substep	Initial	Step/Substep	Initial
3.4 Prerequisites met	<u>JR</u>	4.4.4 Isolation valve open	<u>N/A</u>
4.2.2 Leads disconnected	<u>N/A</u>	4.4.5 Reflects plant conditions	<u>N/A</u>
4.2.2 Independent Verification	<u>N/A</u>		
4.4.1 Test equipment removed	<u>WAT</u>		
4.4.2 Element installed	<u>N/A</u>		
4.4.3 Leads connected	<u>↓</u>		

RESTORATION VERIFICATION

	Initial		Initial
1. Element installed	<u>N/A</u>	3. Isolation valve open	<u>N/A</u>
2. Leads connected	<u>↓</u>		

Performed by: W.A. [Signature] Date: 3-20-90

Reviewed by: [Signature] Date: 3-30-90

PROCEDURE NO

REVISION

PAGE NO

VEGP 22332-C

Sheet 1 of 1

CALCULATION SHEET

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

SM

Completed by: _____ Date: _____

Reviewed by: _____ Date: _____

Approved by: _____ Date: _____

FOR USE WITH CONTROL NO. 19001629

Procedure No. VEGP 22332-C	Revision 2	Page No. 7 of 10
--------------------------------------	----------------------	----------------------------

Sheet 1 of 1

DATA SHEET

Inst. No. <u>1TSH-19146</u>	Location <u>1D/G 1A-LOG ETC</u>	Serial No. <u>NONE</u>
Description <u>Temperature Switch</u>	Manufacturer <u>CALCON</u>	Model No. <u>A 3500-W3</u>

NOTES: N/A

Action	UNITS	EXPECTED	LO LIMIT	HI LIMIT	AS FOUND	AS LEFT
Switch Tripped	-F	200.0	196.0	204.0	190.4	✓
Switch Reset	↓	190.0	186.0	204.0-194.0	188.0	✓
Action	UNITS	EXPECTED	LO LIMIT	HI LIMIT	AS FOUND	AS LEFT
Switch Tripped						
Switch Reset						
Action	UNITS	EXPECTED	LO LIMIT	HI LIMIT	AS FOUND	AS LEFT
Switch Tripped					N/A	
Switch Reset						

COMMENTS: Used Orifice size .028-IC-706

ACC - RER # 88-0707

TEST EQUIPMENT		
I.D. NO.	MODEL NO.	CALIBRATION DUE DATE
VP-3001	Flake 2175A	4-29-90
VP-2619	Permacal	6-2-90
Orifice .028	IC-706	
	N/A	
	N/A	

Orifice (.028) used was IC-706

* NO AS- AS LEFT DATA WAS TAKEN, BECAUSE SWITCH IS BAD. - APPLIED TO NAME AS IT TRIPPED.

PERFORMED BY: <u>W.H. Smith</u>	DATE: <u>3-30-90</u>
REVIEWED BY: <u>[Signature]</u>	DATE: <u>3-30-90</u>
APPROVED BY: <u>[Signature]</u>	DATE: <u>3-30-90</u>

PROCEDURE NO.

VEGP

22332-C

REVISION

2

PAGE NO.

10 of 10

Sheet 1 of 1

COMPLETION SHEET

PROCEDURE TITLE TEMPERATURE SWITCH CALIBRATION

TIME TEST STARTED 08:04 BY W.H. Rader DATE 3-30-90

DEFICIENCIES OCCURRED AND ACTIONS TAKEN

NONE

TEST RESULTS: ACCEPTABLE UNACCEPTABLE

TEMPERATURE SWITCH RESTORED TO SERVICE

TEMPERATURE SWITCH COMMITTED TO REPAIR

TEST COMPLETED BY W.H. Rader TIME 10:20 DATE 3-30-90

SHIFT SUPERVISOR NOTIFIED [Signature] 1345 3/30/90
Signature Time Date

REVIEWED BY: [Signature] DATE: 3-30-90

APPROVED BY: [Signature] DATE: 3-30-90

PROCEDURE NO

VEGP

22332-C

REVISION

2

PAGE NO

9 of 10

Sheet 1 of 1

CHECKLIST

3.1 Shift Supervisor Authorization

Signature

Date

3.2 Reactor Operator (RO) Notified

Signature

Date

STEP VERIFICATION

Step/Substep	Initial	Step/Substep	Initial
3.4 Prerequisites met	WAZ	4.4.4 Isolation valve open	N/A
4.2.2 Leads disconnected	N/A	4.4.5 Reflects plant conditions	WAZ
4.2.2 Independent Verification	N/A		
4.4.1 Test equipment removed	WAZ		
4.4.2 Element installed	WAZ		
4.4.3 Leads connected	N/A		

RESTORATION VERIFICATION

	Initial		Initial
1. Element installed	WAZ	3. Isolation valve open	N/A
2. Leads connected	N/A		

Performed by: W.M. [Signature]

Date 7-30-90

Reviewed by: [Signature]

Date 7-30-90

CALCULATION SHEET

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

$$T_1 = 201.0$$

$$T_2 = 200.7$$

$$T_3 = 202.1$$

$$R_1 = 195.7$$

$$R_2 = 196.1$$

$$R_3 = 196.8$$

TRIP POINT

$$T_1 + T_2 + T_3 = T_T$$

$$T_T = 603.8$$

$$\text{AS LEFT IS } T_T \div 3$$

$$\text{AS LEFT} = 201.27$$

$$\text{AS FOUND} = 201.27$$

RESET POINT

$$R_1 + R_2 + R_3 = R_T$$

$$R_T = 598.6$$

$$\text{AS LEFT IS } R_T \div 3$$

$$\text{AS LEFT} = 196.2$$

$$\text{AS FOUND} = 196.2$$

Completed by:

W.H. SmithDate: 3-30-98

Reviewed by:

W.H. SmithDate: 3-30-98

Approved by:

W.H. SmithDate: 3-30-98

MWO # 19001629

Procedure No. VEGP 22332-C	Revision 2	Page No. 7 of 10
-------------------------------	---------------	---------------------

Sheet 1 of 1

DATA SHEET

Inst. No. 1-TS/H-19146 Location 10/G-A Serial No. NONE
 Description Temperature Switch Manufacturer CALCON Model No. A-3500-W3

NOTES: N/A

Action	UNITS	EXPECTED	LO LIMIT	HI LIMIT	AS FOUND	AS LEFT
Switch Tripped	F	200.0	196.0	204.0	201.27	201.27
Switch Reset	↓	190.0	186.0	194.0	196.20	196.20
Action	UNITS	EXPECTED	LO LIMIT	HI LIMIT	AS FOUND	AS LEFT
Switch Tripped						
Switch Reset						
Action	UNITS	EXPECTED	LO LIMIT	HI LIMIT	AS FOUND	AS LEFT
Switch Tripped					N/A	
Switch Reset						

COMMENTS: USCO ORIFICE S.7E C.011 IC-712

ACC. - REC # 88-0707

TEST EQUIPMENT		
I.D. NO.	MODEL NO.	CALIBRATION DUE DATE
VP-3093	2175A	5-14-90
VP-2567	0-100 PSI	4-30-90
	N/A	

The AS FOUND AS LEFT DATA IS AN AVERAGE OF THE THREE TRIP + RESET CYCLES PER REC # 88-0707

PERFORMED BY: W.H. [Signature] DATE: 3-30-90
 REVIEWED BY: Billy [Signature] DATE: 3-30-90
 APPROVED BY: [Signature] DATE: 3-30-90

COMPLETION SHEET

PROCEDURE TITLE TEMPERATURE SWITCH CALIBRATION

TIME TEST STARTED 16:30 BY W.A. Finley DATE 3-29-90

DEFICIENCIES OCCURRED AND ACTIONS TAKEN
As found data out of tolerance

a small amount of leakage was present at the vent part with process temp > 20°F below setpoint this did not appear to affect calibration per step 5 of attachment 1 of MWD # 19001620. System mg. Bad for motor will determine the scalability of this switch.

Talk with vendor and he said a small amount of leakage at the vent part would not cause any problem with the diesel control sys as long as the reset point is 60°F LST

TEST RESULTS: ACCEPTABLE () UNACCEPTABLE ()

TEMPERATURE SWITCH RESTORED TO SERVICE

TEMPERATURE SWITCH COMMITTED TO REPAIR ()

TEST COMPLETED BY W.A. Finley TIME 04:20 CST DATE 3/29/90

SHIFT SUPERVISOR NOTIFIED [Signature] 1990 12/11/90
Signature Time Date

REVIEWED BY: Billy J. McSwain DATE: 3-30-90

APPROVED BY: [Signature] DATE: 3-30-90

PROCEDURE NO

VEGP

22332-C

REVISION

2

PAGE NO

9 of 10

Sheet 1 of 1

CHECKLIST

3.1 Shift Supervisor Authorization

Signature

Date

3.2 Reactor Operator (RO) Notified

Signature

Date

STEP VERIFICATION

Step/Substep	Initial	Step/Substep	Initial
3.4 Prerequisites met	WHR	4.4.4 Isolation valve open	N/A
4.2.2 Leads disconnected	N/A	4.4.5 Reflects plant conditions	M
4.2.2 Independent Verification	N/A		
4.4.1 Test equipment removed	M		
4.4.2 Element installed	M		
4.4.3 Leads connected	N/A		

RESTORATION VERIFICATION

	Initial		Initial
1. Element installed	QR	3. Isolation valve open	N/A
2. Leads connected	N/A		

Performed by:

Date 3-30-90

Reviewed by:

Date 7-30-90

CALCULATION SHEET

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

$$T_1 - 199.1 \quad T_2 - 200.1 \quad T_3 - 200.1$$

$$R_1 - 195.1 \quad R_2 - 196.1 \quad R_3 - 195.8$$

TRIP POINT

RESET

$$T_1 + T_2 + T_3 = T_T$$

$$R_1 + R_2 + R_3 = R_T$$

$$T_T = 599.6$$

$$R_T = 587.0$$

$$\text{As left is } T_T \div 3$$

$$\text{As left is } R_T \div 3$$

$$\text{As lift} = 199.9$$

$$\text{As lift} = 195.7$$

Completed by:

[Signature]

Date: 7/30/90

Reviewed by:

[Signature]

Date: 7/30/90

Approved by:

[Signature]

Date: 7/30/90

FOR USE WITH CONTROL NO. 19001629

Procedure No. VEGP 22332-C	Revision 2	Page No. 7 of 10
-------------------------------	---------------	---------------------

Sheet 1 of 1

DATA SHEET

Inst. No. 1738 Location 06-1A Jacketwater Serial No. NONE
 Description Temperature Switch Manufacturer CALCON Model No. A-350-43

NOTES: N/A

Action	UNITS	EXPECTED	LO LIMIT	HI LIMIT	AS FOUND	AS LEFT
Switch Tripped	F	200.0	196.0	204.0	186.2	199.9
Switch Reset	F	190°F	*	*	181.6	195.7
Action	UNITS	EXPECTED	LO LIMIT	HI LIMIT	AS FOUND	AS LEFT
Switch Tripped						
Switch Reset						
Action	UNITS	EXPECTED	LO LIMIT	HI LIMIT	AS FOUND	AS LEFT
Switch Tripped						
Switch Reset						

COMMENTS: * Reset - to be $\pm 10^\circ\text{F}$ of setpoint per REC 98-707

Acc. # ~~88~~ RGR # 88-0707

I.E. 34175
T.W. 5-30-90
SE 208 021R

Office .025" I.E. 711
Setpoint - 1X4AK01-443

The as-found as-left data is an average of three trip/reset cycles per Attachment 1 and REC 98-707. See calculator sheet.

TEST EQUIPMENT		
I.D. NO.	MODEL NO.	CALIBRATION DUE DATE
VP 3093	2175A	5-14-90
VP 2703	0-100	4-11-90
N/A		

PERFORMED BY: [Signature] DATE: 3/20/90
 REVIEWED BY: [Signature] DATE: 7-30-90
 APPROVED BY: [Signature] DATE: 3-5-90

PROCEDURE NO

VECP

22332-C

REVISION

2

PAGE NO.

10 of 10

Sheet 1 of 1

COMPLETION SHEET

PROCEDURE TITLE TEMPERATURE SWITCH CALIBRATION

TIME TEST STARTED 00:30 BY James Oklin DATE 3/30/90

DEFICIENCIES OCCURRED AND ACTIONS TAKEN

NONE

TEST RESULTS: ACCEPTABLE UNACCEPTABLE

TEMPERATURE SWITCH RESTORED TO SERVICE

TEMPERATURE SWITCH COMMITTED TO REPAIR

TEST COMPLETED BY J. Reay TIME 0500 DATE 3-30-90

SHIFT SUPERVISOR NOTIFIED [Signature] TIME 1315 DATE 3/30/90
Signature Time Date

REVIEWED BY: [Signature] DATE: 3-30-90

APPROVED BY: [Signature] DATE: 3-30-90

PROCEDURE NO

VEGP

22332-C

REVISION

2

PAGE NO

9 of 10

Sheet 1 of 1

CHECKLIST

3.1 Shift Supervisor Authorization

Signature

Date

3.2 Reactor Operator (RO) Notified

Signature

Date

STEP VERIFICATION

Step/Substep	Initial	Step/Substep	Initial
3.4 Prerequisites met	<u>js</u>	4.4.4 Isolation valve open	<u>N/A</u>
4.2.2 Leads disconnected	<u>N/A</u>	4.4.5 Reflects plant conditions	<u>js</u>
4.2.2 Independent Verification	<u>N/A</u>		
4.4.1 Test equipment removed	<u>js</u>		
4.4.2 Element installed	<u>js</u>		
4.4.3 Leads connected	<u>N/A</u>		

RESTORATION VERIFICATION

	Initial		Initial
1. Element installed	<u>js</u>	3. Isolation valve open	<u>N/A</u>
2. Leads connected	<u>N/A</u>		

Performed by: James O. Salvo

Date: 3/30/90

Reviewed by: Bill J. [unclear]

Date: 3-30-90

PROCEDURE NO

VECP

22332-C

REVISION

2

PAGE NO.

8 of 10

Sheet 1 of 1

CALCULATION SHEET

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

 $T_1 = 198.9 \quad T_2 = 197.4 \quad T_3 = 199.4$
 $R_1 = 190.4 \quad R_2 = \overset{\text{28 slices}}{\cancel{190.4}} \quad R_3 = 190.0$

TRIPPOINT

$$T_1 + T_2 + T_3 = T_T$$

$$T_T = 595.7$$

AS LEFT IS $T_T \div 3$

$$\text{AS LEFT} = 198.56$$

RESET

$$R_1 + R_2 + R_3 = R_T$$

$$R_T = 570.6$$

AS LEFT IS $R_T \div 3$

$$\text{AS LEFT} = 190.2$$

Completed by:

Jane O. SalviDate: 3/30/90

Reviewed by:

Billy J. M. [unclear]Date: 7-30-90

Approved by:

[unclear]Date: 3-30-90

FOR USE WITH CONTROL NO. 19001629

Procedure No. VEGP	22332-C	Revision 2	Page No. 7 of 10
-----------------------	---------	---------------	---------------------

Sheet 1 of 1

DATA SHEET

Inst. No. ITSH-19111 Location LDGI Serial No. N/A
 Description Temperature Switch Manufacturer CALCON Model No. A3500-WL

NOTES: N/A

Action	UNITS	EXPECTED	LO LIMIT	HI LIMIT	AS FOUND	AS LEFT
Switch Tripped	°F	200.0	196.0	204.0	198.56	198.56
Switch Reset	°F	190.0	186.0	194.0	190.20	190.20
Action	UNITS	EXPECTED	LO LIMIT	HI LIMIT	AS FOUND	AS LEFT
Switch Tripped						
Switch Reset						
Action	UNITS	EXPECTED	LO LIMIT	HI LIMIT	AS FOUND	AS LEFT
Switch Tripped						
Switch Reset						

COMMENTS:

Used ORFICE SIZE .028 - IC-706

ACC. - RER # 88-0207

I.C. 34173
9.20.3.30.90

TEST EQUIPMENT		
I.D. NO.	MODEL NO.	CALIBRATION DUE DATE
VP 3001	FLUXE 2175A	4-29-90
VP 2619	PERMA-CAL	6-2-90
ORFICE .028	IC-706	N/A
	N/A	

THE AS FOUND AS LEFT DATA IS AN AVERAGE OF THREE TRIP/RESET CYCLES PER ATTACHMENT
 1. SEE CALCULATION SHEET

PERFORMED BY: James D. Sales DATE: 3/30/90
 REVIEWED BY: Orville M. King DATE: 7-30-90
 APPROVED BY: Jimmy F. Khan DATE: 7-30-90

PROCEDURE NO. VECP 22332-C	REVISION 2	PAGE NO. 10 of 10
-------------------------------	---------------	----------------------

Sheet 1 of 1

COMPLETION SHEET

PROCEDURE TITLE TEMPERATURE SWITCH CALIBRATION

TIME TEST STARTED 2100 BY [Signature] DATE 2/29/90

DEFICIENCIES OCCURRED AND ACTIONS TAKEN

None

TEST RESULTS: ACCEPTABLE UNACCEPTABLE

TEMPERATURE SWITCH RESTORED TO SERVICE

TEMPERATURE SWITCH COMMITTED TO REPAIR

TEST COMPLETED BY [Signature] TIME 0730 est DATE 3/5/90

SHIFT SUPERVISOR NOTIFIED [Signature] 1349 12/13/90
Signature Time Date

REVIEWED BY: Billy J. McSwain DATE: 7-30-90

APPROVED BY: George Franklin DATE: 7-30-90

CHECKLIST

3.1 Shift Supervisor Authorization

Signature

Date

3.2 Reactor Operator (RO) Notified

Signature

Date

STEP VERIFICATION

Step/Substep	Initial	Step/Substep	Initial
3.4 Prerequisites met	<u>A</u>	4.4.4 Isolation valve open	<u>N/A</u>
4.2.2 Leads disconnected	<u>N/A</u>	4.4.5 Reflects plant conditions	<u>A</u>
4.2.2 Independent Verification	<u>N/A</u>		
4.4.1 Test equipment removed	<u>A</u>		
4.4.2 Element installed	<u>A</u>		
4.4.3 Leads connected	<u>N/A</u>		

RESTORATION VERIFICATION

	Initial		Initial
1. Element installed	<u>OK</u>	3. Isolation valve open	<u>N/A</u>
2. Leads connected	<u>N/A</u>		

Performed by:

Date 3-30-90

Reviewed by:

Date 3-30-90

CALCULATION SHEET

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

$$T_1 = 195.1 \quad T_2 = 196.7 \quad T_3 = 196.2$$

$$R_1 = 192.1 \quad R_2 = 191.8 \quad R_3 = 192.3$$

Trip point

$$T_1 + T_2 + T_3 = T_T$$

$$T_T = 591$$

As left is $T_T \div 3$

$$As\ left = 197$$

Reset

$$R_1 + R_2 + R_3 = R_T$$

$$R_T = 577.2$$

As left is $R_T \div 3$

$$As\ left = 192.4$$

Completed by: [Signature] Date: 3-30-90
 Reviewed by: [Signature] Date: 3-30-90
 Approved by: [Signature] Date: 3-30-90

FOR USE WITH CONTROL NO. 19001629

Procedure No. VEGP 22332-C	Revision 2	Page No. 7 of 10
--------------------------------------	----------------------	----------------------------

Sheet 1 of 1

DATA SHEET

Inst. No. 1TSH-19110 Location AG-1-A Tactel water Serial No. N/A
 Description Temperature Switch Manufacturer CALCON Model No. A3500-103

NOTES: N/A

Action	UNITS	EXPECTED	LO LIMIT	HI LIMIT	AS FOUND	AS LEFT
Switch Tripped	°F	200.0	196.0	204.0	197	197
Switch Reset	↓	190.0	*	*	192.4	192.4
Action	UNITS	EXPECTED	LO LIMIT	HI LIMIT	AS FOUND	AS LEFT
Switch Tripped						
Switch Reset						
Action	UNITS	EXPECTED	LO LIMIT	HI LIMIT	AS FOUND	AS LEFT
Switch Tripped						
Switch Reset						

COMMENTS: * Limit - to be $\leq 10^{\circ}\text{F}$ of setpoint per RER 88-707
 Acc - RER # 88-0707
 Setpoint from 144401-103
 .029" orifice IC 712
 I.R. 34773
 3-30-90

TEST EQUIPMENT		
I.D. NO.	MODEL NO.	CALIBRATION DUE DATE
3093	2175A	5-14-90
2567	N/A 0-100 psi	4-30-90
	N/A	

The as-found and as-left data is an average of three trip/reset cycles per attachment 1 and RER 88-707. See calculation sheet.

PERFORMED BY: [Signature] DATE: 3-30-90
 REVIEWED BY: [Signature] DATE: 3-30-90
 APPROVED BY: [Signature] DATE: 3-30-90

Quality Control Inspection Report
VOGTLE GENERATING PLANT—UNITS 1 & 2

34173

MWO/ODR/DR No. <i>13001558/12.9.90</i>	Building <i>TEG SHIP REPAIR</i>	Procedure/Spec. No./Rev. <i>27337-C REV 2</i>
Room No./Level No. <i>NA / 1</i>	By/Start Up Designator <i>2103</i>	Tag No. <i>SEE BELOW</i>
Drawing No./Rev. <i>NA</i>	Vendor Manual Log No. <i>NA</i>	Other <i>REF 88-0707</i>

- Inspector will use separate form for each completed inspection function(s) and insert original with work package, use continuation sheets when needed.
- Use simple narrative type report procedure. Reference all applicable drawing numbers, specifications, special instructions, etc., connected with your inspection. Use sketches, when applicable, showing dimensions checked, alignment, physical location of defects found, etc. N/A all blocks not used.
- Upon completion of the inspection activity, enter results below and sign and date.

Remarks

*VISUALLY VERIFIED REINSTALLATION OF HIGH TEMPERATURE
STEEL WATER TRIP SYSTEMS, AS PER. AND ATTACHMENT I
OF MWO FOR FOLLOWING SWITCHES. ALSO REINSTALLATION
OF ITSH 1910 MTC VP-2567 DD 4-9-90, VP-393 DD 4-9-90, CREW I.C. 712
② ITSH 1911 MTC VP-267 DD 6-29-90, VP-5001 DD 4-29-90, CREW I.C. 706
③ ITSH 1912 MTC VP-289 DD 4-19-90, VP-3099 DD 5-19-90, CREW I.C. 711
* ITSH 1914 MTC VP-267 DD 6-29-90, VP-5001 DD 4-29-90, CREW I.C. 706
ALSO REINSTALLMENT OF LASKETS FOR COVERS ON ITSH 1910,
AND ITSH 1911. REF. 90-6068
* ITSH 1914 IS NOT REPAIRING PROPERLY GWT CLASSIFICATION
IS TO BE REPLACED OR REWORKED.
④ ITSH 1912 MTC REQUIREMENTS OF ATTACHMENT I STEPS
BUT LEAK IS DETECTABLE AT LEAST WITH SNOOP.
VISUALLY VERIFIED REINSTALLATION OF ITSH 1910, 1911, 1912.*

Inspection Results

SAT. UNSAT—ODR/DR NO.(s):

Inspector: *Tom Williams* Date: *3-30-90*

FORM 90A MCR 191

Quality Control Inspection Report
 VOGTLE GENERATING PLANT—UNITS 1 & 2

34190

Georgia Power
 Page 1 of 1

MWO/ODR/DR No. 19001629 R/2	Building ITC Shop Diesel	Procedure/Spec. No./Rev. 22332-C R/2
Room No./Level No. TRAIN A	Operation Sp. Designator 2403	Tag No. ITSHR 9146
Drawing No./Rev. MFA	Vendor Manual Log No. MFA	Other REF: 88-0707

1. Inspector will use separate form for each completed inspection function(s) and insert original with work package, use continuation sheets when needed.
2. Use simple narrative type report procedure. Reference all applicable drawing numbers, specifications, special instructions, etc., connected with your inspection. Use sketches, when applicable, showing dimensions checked, alignment, physical location of defects found, etc. N/A all blocks not used.
3. Upon completion of the inspection activity, enter results below and sign and date.

Remarks
 Mer # MAR 30-90-6088 for Temp Switch
 Cal/gas A 3.500 W3 model
 Type of inspection was visual
 ① HIR Supply was set at 60 psi
 ② The 3 temps + resist are as follows
 T₁ 201.0 T₂ 200.7 T₃ 202.1
 R₁ 195.7 R₂ 196.1 R₃ 196.8
 ③ Witnessed the installation of temperature switch
 at ITC Diesel

Sketch
 MFA TE used: Pressure Gauge VP-2567 CAD 430-8
 Digital Thermometer VP-3093 CAD 5-14-8

Inspection Results

SAT UNSAT—ODR/DR NO. (S)

FORM 90A MCL 101

Inspector P. C. Haney Date 3/30/90

WHITE—Work Package CANARY—QC Super PINK—Inspector

WHD No: 19001629 2

PROCEDURE & REV NO: N/A

NOTIFY QUALITY CONTROL PRIOR TO PERFORMING THE WORK ACTIVITY OR STEP ASSOCIATED WITH THE HOLD (H) OR WITNESS (W) POINT.

DO NOT BYPASS OR HOLD OR WITNESS POINTS

STEP No.	H/W	HOLD POINT / WITNESS POINT DESCRIPTION	ASSIGNED BY		NOTIFIED		QC ACTION	
			INIT	DATE	INIT	DATE	INIT	DATE
1	H	Notify QC prior to cal. temp. switch	WLD	3/30/90	JPL	3/31/90	JPL	3/31/90
2	H	Notify QC prior to replacing temp. switch	WLD	3/31/90	JPL	3/31/90	JPL	3/31/90

COMMENTS & IR NUMBERS: (initial and date entries)
JPL-77 34190 3/30/90

MWO No: 19001629

PROCEDURE & REV NO: 22333-C R/2

NOTIFY QUALITY CONTROL PRIOR TO PERFORMING THE WORK ACTIVITY
OR STEP ASSOCIATED WITH THE HOLD (H) OR WITNESS (W) POINT

DO NOT BYPASS QC HOLD OR WITNESS POINTS

STEP NO.	H/W	HOLD POINT / WITNESS POINT DESCRIPTION	ASSIGNED BY		NOTIFIED		QC ACTION	
			INIT	DATE	INIT	DATE	INIT	I-W-N/A
1	H	Notify QC prior to calibration of temp. ducts						
		ITSH191A6	JWS	3/19/90				
		19110			JW	3:30	JW	N/A
		19111			JW	3:30	JW	I
		19112			JW	3:30	JW	I
		ITSH 19141	JWS	3:30	JW	3:30	JW	I

COMMENTS & IR NUMBERS: (Initial and date entries)

* SEP 22 5/173 J.W. 5-30-90

SEP 27/90 IR 24190

Nuclear Plant Maintenance Work Order Continuation Sheet

MPL No _____ MWO No 140-01629

Work Description _____

Block 27

During performance of VEG-P 22332-C ON ^{ITSH-19146} ~~ITSH-19112~~ switch was found out of tolerance and operating sluggishly. When attempting to adjust switch it was found to be leaking air by the O-ring at the adjustment point. Adjusted trip set point but switch appeared to be acting excessively sluggish for proper operation. Switch was calibrated per proc. 22332-C, Attachment #1 and RER 88-0707. Test equipment used was Fluke VP3001 due 4-28-90 Test Gauge VP-2619 due 4-2-90 and .028" test orifice # IC 706. Maintained zone 4 Housekeeping. QR 3-30-90

Block 27 cont: Pick up new switch from Nuc Ops waste house and calibrated per proc. 22332-C, ATT #1 and RER # 88-0707. Switch worked O.K. and was installed in place of bad switch ITSH-19146. MAINTAIN ZONE 4 CLEANLINESS W/P 3 TO 20

TEST EQUIPMENT USED

FLUKE VP-3092 DUE MTC-5-14-90

TEST GAUGE VP2567 DUE MTC 4-30-90

ORIFICE - IC-712 .028"

OLD SWITCH WAS TAGGED AND PLACED IN B STORAGE 'C'.

Nuclear Plant Maintenance Work Order Continuation Sheet

MPL No. _____

MWO No. 19001629

Work Description: Block 27 cont - IT54, 1910, 1911, 1912 work installed on 061A under the observance of ac. Zone IV housekeeping was maintained in work areas.

The small amount of leakage at the valve port would not cause any problems with the ductwork control system as long as the reset pressure is 60 + 1 PSI.

Shall Dufford 3-30-70

Nuclear Plant Maintenance Work Order Continuation Sheet

MPL No. _____

MWO No. 1-70-01629

Work Description Block 26

3-21-90

Block 27 - Obtained unit 1's permission to begin work at beginning of evening shift. Completed calibration of ITSH 19110, ITSH 19111, ITSH 19112. These switches were calibrated per proc. 22332-c, Attachment #1 and REC 88-0707. ITSH 19112 was found out of cal but calibrated satisfactorily (as left was good). As-found data on ITSH 19111 and ITSH 19110 was good. Replaced cover gasket from ITSH 19110, 19112 with repair kit (stock # 29200 - 22640) obtained on MER 90-6068. No gasket leakage detected around gasket.

ITSH 19112 calibrated satisfactorily but at step 5 of attachment #1 with temp. ~~below~~ ^{at} 220°F below setpoint the supply gauge was at 59.8 to 59.9 psig. A small amount (detectable only with leak detecting fluid) of leakage was observed at the vent port. The amount of leakage was well within step 5 of attachment #1 and did not appear to affect calibration in any way. System engineer and/or service rep. should evaluate leakage to determine possible system effects.

Test equipment used is as follows:

ITSH 19111 - Fluke VP 3001 due 4-29-90

test gauge VP 2819 due 6-2-90

.029" test orifice # IC 706

ITSH 19112 - Fluke VP 3093 due 5-14-90

test gauge VP 2703 due 4-11-90

.028" test orifice # IC 711

ITSH 19110 - Fluke VP 3093 due 5-14-90

test gauge VP 2567 due 4-30-90

.028" test orifice # IC 712

Continued →

VOGTLE ELECTRIC GENERATING PLANT

GEORGIA POWER CO.

MAINTENANCE WORK ORDER REVISION SHEET

1 CONTROL NO. 19001629	2 REVISION NO. 2	3 WPL TAG NO. ITSH-19146	4 DATE 3/30/90
5 REASON FOR REVISION EXPAND SCOPE TO ALLOW REPLACEMENT OF ITSH-19146 (TRIP HIGH TEMP. LUBE OIL)			
BLOCK 16: During performance of procedure 22332-C on ITSH-19146 switch was found out of tolerance and operating sluggishly			
BLOCK 23: REPLACE SWITCH AND CALIBRATE, STOCK # 59070-00008143			
			6 INITIATOR 3/30/90 MARK GOLDMAN
7 MAINTENANCE ENG 615 R. Heston 3-30-90			
10 QC REVIEW Mark Goldman 3-30-90		8 OPERATIONS John C. Powell 3/30/90	
12 HP REVIEW Mike Best 3/30/90		9 CLEARANCE REQUIRED REQ REV #	
14 AHI REVIEW NA KEM 3-30-90		11 HOLD POINTS HOLD POINT ATTACHED	
16 WORK PLANNER Mark Goldman 3/30/90		13 NEW RWP REQUIRED N/A	
18 FIRE PROTECTION REVIEW N/A AHS 3/30/90		15 HOLD POINTS N/A	
20 REMARKS		17 PROCEDURES N/A HRS 3/30/90	
		19 SHIFT SUPERVISOR [Signature] 3/30/90	

VOGTLE ELECTRIC GENERATING PLANT

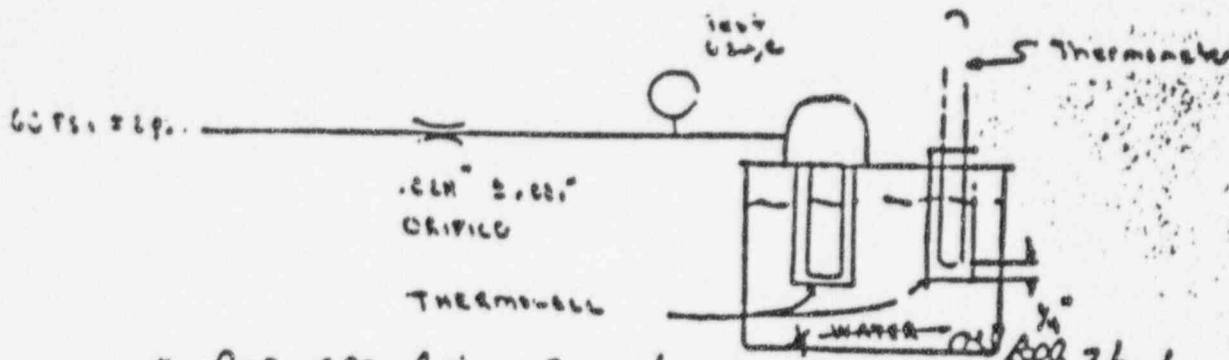
GEORGIA POWER CO.

MAINTENANCE WORK ORDER REVISION SHEET

1 CONTROL NO. 19001629	2 REVISION NO. 1	3 MPI TAG NO. ITSH 19110 ITSH 19111 ITSH 19112	4 DATE 3-29-90
5 REASON FOR REVISION EXPAND SCOPE TO ALLOW REPLACEMENT OF COVER GASKET.			
BLK 6. UPON INVESTIGATION OF SWITCHES FOUND GASKET MISSING FROM COVER.			
BLK 23. REPLACE GASKETS. STK No 29200-26640 Requested to work <i>Paul Skyles</i> 3/29/90			
** NOTE: CALIBRATION FOR SWITCHES ON REV 0 INSTRUCTION REMAINS ^{SEE} THE SAME AS Modified. ^{INITIATOR} <i>[Signature]</i>			
<p style="text-align: center;">Q115 ⁷⁻³¹⁸</p> <p style="text-align: center;">REVIEW SIGNATURES</p>			
7 MAINTENANCE ENG <i>[Signature]</i> 3-29-90	8 OPERATIONS <i>[Signature]</i>	9 CLEARANCE REQUIRED	
10 GC REVIEW <i>[Signature]</i>	11 HOLD POINTS NO ADDITIONAL HOLD POINTS		
12 HP REVIEW <i>[Signature]</i> 3-29-90	13 NEW RWP REQUIRED NA		
14 AHI REVIEW <i>[Signature]</i>	15 HOLD POINTS NA		
16 WORK PLANNER <i>[Signature]</i> 3-29-90	17 PROCEDURES		
18 FIRE PROTECTION REVIEW ILA <i>[Signature]</i> 3-29-90 SEE Rad 2	19 SHFT SUPERVISOR <i>[Signature]</i> 3-29-90		
20 REMARKS			

ATTACHMENT 1 Pg. 2

Temperature Bath Requirements



* RCR specifies oil not water *Blipplan 3/30/90*
88-0707

- 1) To test temperature valves accurately, a bath must have heating, cooling + circulating abilities.
- 2) Two Temp. Valve Thermowells are required submerged 3" into the water/oil
- 3) Install Temp Sensor in one well and a Thermometer in the other. (Seal thermometer in well at the top to suppress heat loss. Thermometer should not touch sides or bottom of well.)
- 4) A 60 PSI Supply Pressure thru a 0.028" ± 0.001 Orifice thru a test gauge to the sensor is required.

FOR USE WITH CONTROL NO. 19001629

ATTACHMENT

TEST PROCEDURE FOR SETTING HIGH TEMPERATURE JACKET WATER TRIP SWITCHES (CALCON - P/N F-573-320)

- 1) Install temperature sensor in bath (See Temp. Bath requirements)
- 2) Hook-up Air Supply (60 PSI Thru .028 orifice and Test gauge) to sensor "W" port.
- 3) Heat-up Temp. Bath to temperature at which sensors are to be set and stabilize.
- 4) Set temperature valves to trip by slowly turning split ring clockwise while watching pressure gauge. While adjusting or checking trip temperature setting, lightly tap continuously on the side of the sensor. This simulates engine vibration and will give a more accurate setting. When valve begins to trip, the pressure gauge will drop. The temperature sensor is considered tripped when gauge drops to 20 psi.
- 5) Cool temp. bath and note that temp. sensor resets (40 psi. on gauge) by 10°F below setpoint. Pressure gauge must reset to within 1 psi. of supply pressure by 20°F below setpoint.
- 6) Reheat bath (always starting 20°F below setpoint) and check trip setting. Re-adjust as required to desired setting. A $\pm 2\%$ tolerance is acceptable.
% set 3/30/90*
- 7) Re-check settings until setting within tolerance is achieved two consecutive times.

TRPO

* 52% is covered per RER 98-0707 Belhopleam 3/30/90

NUCLEAR PLANT MAINTENANCE WORK ORDER (CONTINUED) (3 OF 3)
CONTROL NO. 19001629 00

WORK INSTRUCTIONS: CALIBRATE THESE SWITCHES UNDER NORMAL PROCEDURES AND PER
COOPER REPRESENTATIVE DIRECTION PER ATTACHMENT
1" THERM 88-0707
FOLLOWING CALIBRATION, VERIFY CALIBRATION OF AT LEAST ONE
TEMPERATURE SENSOR AT THE ENGINE.

Jim K
9/29/90

KCS 3/28/90
Not Required

ATTACHMENT

TEST PROCEDURE FOR SETTING HIGH TEMPERATURE JACKET WATER TRIP SWITCHES (CALCON-P/N F-573-330)

- 1) Install temperature sensor in bath (See Temp. Bath requirements)
- 2) Hook-up Air Supply (60 PSI Thru .028 orifice and Test gauge) to Sensor "IN" Port.
- 3) Heat-up Temp. Bath to temperature at which sensors are to be set and stabilize.
- 4) Set temperature valves to trip by slowly turning split ring clockwise while watching pressure gauge. While adjusting or checking trip temperature setting, lightly tap continuously on the side of the sensor. This simulates engine vibration and will give a more accurate setting. When valve begins to trip, the pressure gauge will drop. The temperature sensor is considered tripped when gauge drops to 20 psi.
- 5) Cool temp. bath and note that temp. sensor Resets (40 psi. on gauge) by 10°F below setpoint. Pressure gauge must Reset to within 1 psi. of supply pressure by 20°F below setpoint.
- 6) Reheat bath (always starting 20°F below setpoint) and check trip setting. Re-adjust as required to desired setting. A $\pm 2\%$ tolerance is acceptable.
% BA 3/30/90*
- 7) Re-check settings until setting within tolerance is achieved two consecutive times.

TSP

* 2% tolerance per RER 99-0007 Belhoper 3/30/90

FOR USE WITH CONTROL NO. 9001029

NUCLEAR PLANT MAINTENANCE WORK ORDER (CONTINUED) (3 OF 3)
CONTROL NO. 19001629 00

WORK INSTRUCTIONS: CALIBRATE THESE SWITCHES UNDER NORMAL PROCEDURES AND PER
COOPER REPRESENTATIVE DIRECTION. PER ATTACHMENT
1" FERRER 88-0707
FOLLOWING CALIBRATION, VERIFY CALIBRATION OF AT LEAST ONE
TEMPERATURE SENSOR AT THE ENGINE.

Jim
9/29/90

KLS 3/28/90
Not Required

