

A-160

GPC II-160

DOCKETED
USNRC

RECORD COPY

'95 SEP -8 P4:04

DEFICIENCY CARD # 1-88-3083NORMS
DOCKETING SECRETARY
SERVICE
BRANCH

NORMALLY COMPLETED WITHIN 1 HOUR BY INITIATOR

1. Unit 1 ☒ Unit 2 () Common ()

2. Deficiency Description:

What is the deficiency? ITSH19117,
ITSH19118 & ITSH19119
WERE FOUND OUT OF SPEC.
WHILE CALIBRATING.

Additional sheets attached? Yes ☐ No ☒

What is the location of the deficiency?
TRAIN B DIESEL

What is affected by the deficiency? Temp.
SWITCHES ITSH19117,
ITSH19118 & ITSH19119

How was the deficiency discovered?
DURING PERFORMANCE OF
P.M. 18806910

Event time 1300 Date 10-20-88Discovery time 1300 Date 10-20-88Discovered by: Walter R. PrunierWork # 4075 Dept. ITC

Who was the deficiency reported to?

3. Name of SS JOHN BOWLESTime 1750 Date 10-20-88

SEE BACK FOR INSTRUCTIONS

4. Plant Mode/Condition G/AtmospherePress and Temp.Is immediate notification req'd? Yes ☐ No ☒If yes, 1 Hr, 4 Hr, or 24 Hr N/AReported: Date N/A Time N/A

5. Tech. Spec. required action taken?

Yes ☐ No ☒ N/A ☐

List applicable Tech. Spec. section(s)

NONE

Summarize compensatory action taken:

Temperature switch has been calibrated
to within spec.

LCO Initiated: No ☒ Yes ☐ Number N/AType: Info LCO N/A Fire Prot. ☐MWD Initiated: Yes ☐ No ☒MWO # N/ASign of SS [Signature]Time 1755 Date 10-20-886. Received by NSAC Date 10-21-88SOR Req'd: Yes ☐ No ☒If yes, SOR #: NA

If no, explain why it is not significant and forward to the responsible department for disposition:

Non significant deficiency, temperature
switch recalibrated within acceptable
limits.

Reviewer: Herb Beacher Date: 10-21-88Responsible Dept: Maintenance

NORMALLY COMPLETED WITHIN 1 DAY BY SS

NORMALLY COMPLETED IN 1 DAY BY NSAC

706093A

NUCLEAR REGULATORY COMMISSION

Docket No. 50424 & 425-PLA-3 EXHIBIT NO. II-160In the matter of Dr. Town/Vogel☐ Staff ☒ Applicant ☐ Intervenor ☐ Other☐ Identified ☒ Received ☐ Rejected Reporter NLWDate 8-23-95 Witness Dr. Prunier

9509120312 950823
PDR ADOCK 05000424
G PDR

NORMALLY COMPLETED IN ONE WEEK

7. Disposition:

Recalibrated during
PM 18806210

Implementing Method / Document

MWO # PM 18806210

RER # N/A

Procedure Revision # N/A

Other (specify) N/A

Functional Trend: Dept: 21 Code: 2b

If code 9 b enter Procedure No. N/A

10/24/88 M. J. Williams
DATE DEPARTMENT HEAD

8. Initiator notified of disposition: Yes ☐ No ☒

If no send copy of DC to initiator.

Supv. Signature Sylvia J. Livingston Date 11-4-88
Copy Sent

2. Deficiency (cont.)

STOP DEFICIENCIES

OBSERVATION CHECK LIST

DECIDE

REPORT

STOP

ACT

OBSERVE

Deficiencies are noncompliances with Quality requirements and are in three major areas (Mark deficiencies):

PEOPLE

- ☐ Safety, Quality, and Quantity priorities observed
- ☐ Radiological practices used for ALARA
- ☐ Administrative Controls complied with
- ☐ Fitness for duty of personnel observed

PROCEDURES, DOCUMENTS, AND MANUALS

- ☐ Technically correct, Adequate for intended function
- ☐ Correctly reflect requirements of Tech Specs, FSAR, 10CFR, Codes, and other regulations

EQUIPMENT

- ☐ System lineup correct for plant condition
- ☐ Equipment within Tech. Spec. requirements
- ☐ Response/parameters normal during operation, maintenance or testing
- ☐ Unplanned system/component actuations do not occur
- ☐ Planned system/component actuations occur as expected
- ☐ Material and equipment meets specifications and procurement requirements

Causes of deficiencies are in seven major categories (Mark preliminary cause):

- ☐ Human factors - communications, man-machine interface, work organization, environment
- ☐ Procedures - not used, error in following, incorrect, inadequate
- ☐ Management - Policy/admin. control inadequate, audits/evaluations inadequate, corr. action inadequate
- ☐ Training - No training, training method less than adequate
- ☐ Design - Poor specifications, poor material selection, commitments not addressed, poor documentation
- ☐ Manufacturing/installation - fabrication, craftsmanship, material usage, component failure
- ☐ External Man-made cause, natural cause

RECORD COPY

DEFICIENCY CARD # 1-88-3016

NORMS

NORMALLY COMPLETED WITHIN 1 HOUR BY INITIATOR

1. Unit 1 (☒) Unit 2 () Common ()

2. Deficiency Description:

What is the deficiency? DURING PERFOR-
MANCE OF PM (18806902) ON
DIESEL GENERATOR A, TEMP.
SENSORS 1T5H-1910 AND 1T5H-
1911 WERE FOUND OUT OF
CALIBRATION.

Additional sheets attached? Yes ☐ No ☒

What is the location of the deficiency?
DIESEL GENERATOR A1

What is affected by the deficiency? GROUNDWATER NAS 1059-88

How was the deficiency discovered? DURING
CALIBRATION TESTING

Event time 0650 Date 10-18-88

Discovery time 0650 Date 10-18-88

Discovered by? RICK BLANKS

Work # 4075 Dept. IFC

Who was the deficiency reported to?

3. Name of SS SM & Brown

Time 0650 Date 10/18/88

SEE BACK FOR INSTRUCTIONS

4. Plant Mode/Condition MODE B

Is immediate notification req'd? Yes ☐ No ☒

If yes, 1 Hr, 4 Hr, or 24 Hr N/A

Reported: Date N/A Time N/A

5. Tech. Spec. required action taken?

Yes ☐ No ☐ N/A ☒

List applicable Tech. Spec. section(s)

N/A

Summarize compensatory action taken:

Temp sensors were SAT
when P.M. was performed

LCO initiated: No ☒ Yes ☐ Number ☐

Type: Info ☐ LCO ☐ Fire Prot. ☐

MWO initiated: Yes ☐ No ☒

MWO #: N/A

Sign of SS SM & Brown

Time 0650 Date 10/18/88

6. Received by NSAC Date 10/19/88

SOR Req'd: Yes ☐ No ☒

If yes, SOR #: NA

If no, explain why it is not significant and forward to the responsible department for disposition:

NON SIGNIFICANT DEFICIENCY / FAILURE

TEMP SENSITIV DELAYED WITHIN

TOLERANCE.

Reviewer: H.L. BERCHER Date: 10-19-88

Responsible Dept: ENGR. SUPPORT

NORMALLY COMPLETED WITHIN 1 DAY BY SS

NORMALLY COMPLETED WITHIN 1 DAY BY NSAC

NORMALLY COMPLETED IN ONE WEEK

7. Disposition:

Remark - Recalibrate ITSH-19110
and ITSH-19111 back to setpoint
requirements

Implementing Method / Document:

MWO # 18806902

RER # NA

Procedure Revision # NA

Other (specify) NA

Functional Trend: Dept.: 21 Code: 14

If code 8 b enter Procedure No. NA

DATE 11/19/00 John J. Decker
 DATE 11/19/00 John J. Decker
 DEPARTMENT HEAD

8. Initiator notified of disposition: Yes No

If no send copy of DC to initiator. copy sent

Supv. Signature J. L. Harrison Date 11/21/00

2. Deficiency (cont.)

STOP DEFICIENCIES

OBSERVATION CHECK LIST

DECIDE	REPORT
STOP	ACT
OBSERVE	

Deficiencies are noncompliances with Quality requirements and are in three major areas (Mark deficiencies):

PEOPLE

- ☐ Safety, Quality, and Quantity priorities observed
- ☐ Radiological practices used for ALARA
- ☐ Administrative Controls complied with
- ☐ Fitness for duty of personnel observed

PROCEDURES, DOCUMENTS, AND MANUALS

- ☐ Technically correct, Adequate for intended function
- ☐ Correctly reflect requirements of Tech Specs, FSAR, 10CFR, Codes, and other regulations

EQUIPMENT

- ☐ System lineup correct for plant condition
- ☐ Equipment within Tech. Spec. requirements
- ☐ Response/parameters normal during operation, maintenance or testing
- ☐ Unplanned system/component actuations do not occur
- ☐ Planned system/component actuations occur as expected
- ☐ Material and equipment meets specifications and procurement requirements

Causes of deficiencies are in seven major categories (Mark preliminary cause):

- ☐ Human factors - communications, man-machine interface, work organization, environment
- ☐ Procedures - not used, error in following, incorrect, inadequate
- ☐ Management - Policy/admin. control inadequate, audits/evaluations inadequate, corr. action inadequate
- ☐ Training - No training, training method less than adequate
- ☐ Design - Poor specifications, poor material selection, commitments not addressed, poor documentation
- ☐ Manufacturing/Installation - fabrication, craftsmanship, material usage, component failure
- ☐ External Man-made cause, natural cause

1. Unit 1 (✓) Unit 2 () Common ()

2. Deficiency Description:

What is the deficiency? ITSH 19110 & ITSH 19111 were found out of tolerance during performance of MWO # 18807746, and could not be calibrated before switch's had to be re-installed per operations

Additional sheets attached? Yes ☐ No ☒

What is the location of the deficiency?

DG 2 A

What is affected by the deficiency?

ITSH 19110 & ITSH 19111

How was the deficiency discovered?

MWO # 18807746Event time 1400 Date 11-3-88Discovery time 1400 Date 11-3-88Discovered by A. WormanWork # 4075 Dept. ITC

Who was the deficiency reported to?

3. Name of SS C. L. LADDTime 1147 Date 11-3-884. Plant Mode/Condition Mode 6Is this deficiency a notification required? Yes ☐ No ☒If yes, 1 Hr, 4 Hr, or 24 Hr N/AReported Date 11-3-88 Time 1400

5. Tech. Spec. required action taken?

Yes ☐ No ☒ N/A ☐

List applicable Tech. Spec. section(s)

3.8.1.1 & 3.8.1.2

Summary of compensatory action taken

At all times, the switches are function and setpoint are maintained for the deficiency.

LOO Initiated: No ☒ Yes ☐ Number 1Type: Info LOO Fire Prot 1MWO Initiated: Yes ☐ No ☒MWO #: N/ASign of SS 100 J. L. LADDTime 1151 Date 11-5-886. Received by NSAC Date 11-5-88SOR Req'd: Yes ☐ No ☐If yes, SOR #: 100 J. L. LADD

If no, explain why it is not significant and forward to the responsible department for disposition:

NORMALLY COMPLETED WITHIN 1 HOUR BY BR/ATOR

NORMALLY COMPLETED WITHIN 1 DAY BY SS

NORMALLY COMPLETED IN 1 DAY BY NSAC

3. Unit 1 (✓) Unit 2 () Common ()

Deficiency Description:

What is the deficiency? ITSH 19110 & ITSH 19111 were found out of tolerance during performance of MWO # 18807746, and could not be calibrated before switch's had to be re-installed per operations

Additional sheets attached? Yes ☐ No ☒

What is the location of the deficiency?

DG 2 A

What is affected by the deficiency?

ITSH 19110 & ITSH 19111

How was the deficiency discovered?

MWO # 18807746Event time 1400 Date 11-3-88Discovery time 1400 Date 11-3-88Discovered by A. WORMANWork # 4075 Dept. ITC

Who was the deficiency reported to?

3. Name of SS C. L. LADDTime 1147 Date 11-4-884. Plant Mode/Condition Mode 6Is installed and notification required? Yes ☐ No ☒If yes, 1 Hr, 4 Hr, or 24 Hr N/AReported Date 11-3-88 Time 1400

5. Tech. Spec. required action taken?

Yes ☐ No ☒ N/A ☐

List applicable Tech. Spec. section(s)

3.8.1.1 & 3.8.5.2

Summarize compensatory action taken

Switches are function and setpoint checked and found satisfactory.

LCO Initiated: No ☒ Yes ☐ Number 1Type: Info ☐ LCO ☐ Fire Prot ☐MWO Initiated: Yes ☐ No ☒MWO #: N/ASign of SS [Signature]Time 1151 Date 11-5-886. Received by NSAC Date 11-5-88SOR Req'd: Yes ☐ No ☐

If yes, SOR #:

If no, explain why it is not significant and forward to the responsible department for disposition:

SEE BACK FOR INSTRUCTIONS

NORMALLY COMPLETED WITHIN 1 HOUR BY INITIATOR

NORMALLY COMPLETED WITHIN 1 DAY BY SS

NORMALLY COMPLETED IN 1 DAY BY NSAC

RECORD COPY

DEFICIENCY CARD # 1-88-3155

NORMALLY COMPLETED WITHIN 1 HOUR BY INITIATOR

1. Unit 1 (✓) Unit 2 () Common ()

2. Deficiency Description:

What is the deficiency? IPSL 4903
would not respond to calibration.

Additional sheets attached? Yes ☐ No ☒

What is the location of the deficiency? AGIB
engine control panel

What is affected by the deficiency? AGIB
trip logic

How was the deficiency discovered? Fr. integrating
/calibrating IPSL-4903

Event time 1130 Date 10/24/88

Discovery time 1130 Date 10/24/88

Discovered by? G. Teckental

Work # 4075 Dept. I+C

Who was the deficiency reported to?

3. Name of SS T. A. Polito

Time 1050 Date 10/24/88

SEE BACK FOR INSTRUCTIONS

4. Plant Mode/Condition Refueled

Is immediate notification req'd? Yes ☐ No ☒

If yes, 1 Hr, 4 Hr, or 24 Hr N/A

Reported: Date _____ Time _____

5. Tech. Spec. required action taken?

Yes ☒ No ☐ N/A ☐

List applicable Tech. Spec. section(s) 3.8.1.2

Summarize compensatory action taken: Doc. written

LCO initiated: No ☒ Yes ☐ Number 1-89-673I

Type: Info ☒ LCO ☐ Fire Prot. ☐

MWO initiated: Yes ☒ No ☐

MWO #: 1-88-07165

Sign of SS M. S. Brown

Time 1102 Date 10/24/88

6. Received by NSAC Date 10/25/88

SOR Req'd: Yes ☐ No ☒

If yes, SOR #: N/A

If no, explain why it is not significant and forward to the responsible department for disposition:

Plant operating within Tech
Spec limits

Reviewer: D. Hudson Date: 11/8/88

Responsible Dept: R.E. Lide

NORMALLY COMPLETED WITHIN 1 DAY BY SS

NORMALLY COMPLETED IN 1 DAY BY NSAC

NORMALLY COMPLETED IN ONE WEEK

7. Disposition:

Rework - Replace pressure switch IPSL-4903. The switch was operating correctly as shown by correctly starting the engine during monthly runs. The switch did not meet setpoint requirements.

Implementing Method / Document:

MWO # 18807465

RER # NA

Procedure Revision # NA

Other (specify) NA

Functional Trend: Dept: 21 Code: 14

If code 9 b enter Procedure No. NA

11/3/88

11/4/88

DATE

DEPARTMENT HEAD

8. Initiator notified of disposition: Yes No

If no send copy of DC to initiator. 13. Kessler

Supv. Signature: [Signature] Date: 11-23-88

2. Deficiency (cont.)

706093A

STOP DEFICIENCIES

OBSERVATION CHECK LIST

DECIDE

REPORT

STOP

ACT

OBSERVE

Deficiencies are noncompliances with Quality requirements and are in three major areas (Mark deficiencies):

PEOPLE

- ___ Safety, Quality, and Quantity priorities observed
- ___ Radiological practices used for ALARA
- ___ Administrative Controls complied with
- ___ Fitness for duty of personnel observed

PROCEDURES, DOCUMENTS, AND MANUALS

- ___ Technically correct, Adequate for intended function
- ___ Correctly reflect requirements of Tech Specs, FSAR, 10CFR, Codes, and other regulations

EQUIPMENT

- ___ System lineup correct for plant condition
- ___ Equipment within Tech. Spec. requirements
- ___ Response/parameters normal during operation, maintenance or testing
- ___ Unplanned system/component actuations do not occur
- ___ Planned system/component actuations occur as expected
- ___ Material and equipment meets specifications and procurement requirements

Causes of deficiencies are in seven major categories (Mark preliminary cause):

- ___ Human factors - communications, man-machine interface, work organization, environment
- ___ Procedures - not used, error in following, incorrect, inadequate
- ___ Management - Policy/admin. control inadequate, audits/evaluations inadequate, corr. action inadequate
- ___ Training - No training, training method less than adequate
- ___ Design - Poor specifications, poor material selection, commitments not addressed, poor documentation
- ___ Manufacturing/installation - fabrication, craftsmanship, material usage, component failure
- ___ External Man-made cause, natural cause

Memo—Long Form

DATE

FROM

5

TO

TO

TO

COMMENTS

☐ NOTE AND FILE☐ NOTE AND RETURN TO ME☐ RETURN WITH MORE DETAILS☐ NOTE AND SEE ME ABOUT THIS☐ PLEASE ANSWER☐ FOR YOUR APPROVAL☐ PREPARE REPLY FOR MY SIGNATURE☐ TAKE APPROPRIATE ACTION☐ PER YOUR REQUEST☐ SIGNATURE☐ FOR YOUR INFORMATION☐ INVESTIGATE AND REPORT

DC 1-88-3155 IPSL-4903 (P3) Calibration

This pressure switch is used in the start logic of the pneumatic controls. The switch has been operating correctly. The engine would have tripped after 90 seconds if the P3 switch would not operate. The switch setpoint is much higher than the input signal requires. The switch (IPSL-4903) would not operate within the tolerance of the setpoint document but did operate in the system as required.

INSTRUMENT TAG NUMBER 1TSH-19119DIESEL GENERATOR 1BINSTRUMENT FUNCTION JACKET WATER HEADER OUTLET TEMPERATURE SWITCHMANUFACTURER CALCONMODEL NUMBER A-3500-W3TRIP SETPOINT 200°F INC.RESET SETPOINT 190°F DEC.

DOCUMENT IDENTIFICATION NUMBER, DATE OF CALIBRATION, AND AS FOUND AND AS LEFT VALUES	REASON FOR CALIBRATION. IF OTHER THAN ROUTINE CALIBRATION INTERVAL, DOCUMENT THE CIRCUMSTANCES SURROUNDING THE CALIBRATION (E.G., SENSOR BEHAVIOR, PROBLEMS ENCOUNTERED, REPAIR WORK ORDER, ROOT CAUSE FOR MALFUNCTION OR FAILURE, ETC.).
18806910 04/30/88 AF = 221.3°F AL = 202.3°F	PERFORMING PM-DURING 1Z1, SWITCH FOUND OUT OF SPEC. DC 1-88-3083
18807637 10/26/88 AF = INITIAL CAL AL = 201.5°F	MWO WRITTEN BECAUSE SWITCH WAS LEAKING. INITIAL REPLACEMENT WOULD NOT CALIBRATE SATISFACTORILY, SECOND REPLACEMENT SWITCH CALIBRATED SATISFACTORILY. DEFECTIVE SWITCHES DISPOSED OF. DC 1-88-3248
19000440 01/25/90 AF = 200°F AL = 200°F	MWO REQUEST SWITCH CALIBRATION TO SUPPORT PERFORMANCE OF MAINTENANCE PROCEDURE 28713-1 DURING 1Z2
19001511 3/23/90 AF = 188.4°F AL = 195.57/201.74	MWO REQUESTED SWITCH CALIBRATION VERIFICATION. REV. 2 ADDED SWITCH REPLACEMENT DUE TO SWITCH VENTING CONTINUOUSLY. MWO WRITTEN DURING INVESTIGATION OF DIESEL GENERATORS.

SENSOR CALIBRATION HISTORY

INSTRUMENT TAG NUMBER 1PSL 4902

DIESEL GENERATOR 1A

INSTRUMENT FUNCTION SENSOR VENT PRESSURE SWITCH

MANUFACTURER CALCON

MODEL NUMBER B4400

TRIP SETPOINT 45 PSI DEL

RESET SETPOINT 53 PSI INCL

DOCUMENT IDENTIFICATION NUMBER, DATE OF CALIBRATION, AND AS FOUND AND AS LEFT VALUES	REASON FOR CALIBRATION. IF OTHER THAN ROUTINE CALIBRATION INTERVAL, DOCUMENT THE CIRCUMSTANCES SURROUNDING THE CALIBRATION (E.G., SENSOR BEHAVIOR, PROBLEMS ENCOUNTERED, REAS FOR WORK ORDER, ROOT CAUSE FOR MALFUNCTION OR FAILURE, ETC.).
18606015 04/6/86 AF = INITIA CAL. AL = 43.5 PSI	DEFECTIVE SWITCH REMOVED AND REPLACED WITH SWITCH THAT WAS MTR'D FROM UNIT 2. MTR 1-86-312 AND ODR T-1-86-1688
18807466 10/23/88 AF = 43 PSI AL = 45.5/44.5 PSI	MWO WRITTEN FOR SWITCH CALIBRATION VERIFICATION. SWITCH RESET OUT OF TOLERANCE AND DC 1-88-3379 WRITTEN. REPLACEMENT SWITCH CALIBRATED AND INSTALLED
19000069 01/03/90 AF = 44.6 PSI AL = 44.6 PSI	PERFORMING PM'S DURING 1R2
19001219 03/08/90 AF = AL =	MWO WRITTEN DUE TO SWITCH NOT RESETTING. NO SWITCH CALIBRATION PERFORMED PROBLEM FOUND TO BE IN ASSOCIATED COMPONENTS.