

A-158

BRINEY EXHIBIT F  
GPC EXH. II-158DOCKETED  
USNRC

## Deficiency Card

PMK

20135

'95 SEP -8 P4:04

Card # 290-231 ☐ Unit 1 ☒ Unit 2 ☐ Common (Additional Sheets Attached? ☐ Yes ☒ No)

## 1: Description of Deficiency

DEMS  
THE DEW POINT READINGS OBTAINED PER PM  
29004432 ON D.G. AIR DRYER 2-2403-64-002-K01  
WERE HIGHER THAN ALLOWED PER ACCEPTANCE CRITERIA.  
THE ACCEPTABLE RANGE IS BETWEEN 32 DEGREES F AND  
50 DEGREES F. ACTUAL READING WAS GREATER THAN  
74.8 DEGREES F. WRT #12866 WRITTEN.

## Location Of Deficiency?

D.G. 2B

## What Is Affected By The Deficiency?

Commitment 15423, 15068 AND 14831

## How Was The Deficiency Discovered?

DURING PERFORMANCE OF PM 29004432

Event Time 120000T Date 10-8-90 Discovery Time 073000T Date 10-10-90

Discovered By? Terry A. Lamb Work # 29004432 Dept. I&amp;C

2: Shift Supervisor Review  
Name Of USS Reported To? WLBARGERON Time 1411 Date 10/10/90

Plant Mode/Condition: 6/38 CPS

Is Immediate Notification Required? ☐ Yes ☒ NoIf Yes, ☐ 1 Hour, ☐ 4 Hour, or ☐ 24 Hour N/A Reported: Date TimeTech. Spec. Required Action Taken? ☐ Yes ☒ No

List Applicable Tech. Spec. Section(s) N/A

Summarize Compensatory Action Taken: ENGINEERING TO EVALUATE/MAINT.  
TO INVESTIGATE AIR DRYER PM WRT 12866LCO Initiated: ☐ Yes ☒ No # Type: Info N/A LCO FireWRT Initiated: ☒ Yes ☐ No # 12866

Signature Of USS WLB, - Date 10/10/90 Time 1413

706686 1238

## NUCLEAR REGULATORY COMMISSION

Docket No. 50-425-64-3 EXHIBIT NO. 158

In the matter of, B. T. / VOYLE

☐ Staff ☒ Applicant ☐ Intervenor ☐ Other☐ Identified ☒ Received ☐ Rejected Reporter WLB

Date 8-22-95 Witness Briney

9509120306 950822  
PDR ADOCK 05000424  
G PDR

92 PROJECT 065130

Completed in 1 Day	3: Technical Support Review	
	NSAC Evaluation/Review (Check Appropriate Box)      Date Received: 10-11-90	
	A.	<input type="checkbox"/> No Deficiency <sup>ACCA</sup> Required. Send Copy To Responsible Dept., Close Original
	B.	<input type="checkbox"/> Reportable Deficiency. Report #
	C.	<input checked="" type="checkbox"/> Deficiency, Not Reportable.
	Explanation: The PM was contacted as a result of reports to G-12P-16 and 151187-2P. The air dryer are not safe, - isolated and - and - not reportable per the G-12P-16 Tech Spec.	
	Responsible Dept.: Eng Support	
	NSAC Reviewer: Tom Webb	Date: 10-11-90
	NSAC Supervisor: R. M. Odom	Date: 10-11-90
Completed in 1 Month By Responsible Dept.	4: Disposition, For Deficiencies in Item 3C Above Only. - USE AS IS -	
	WRT # 12P66 initiated to determine problem with Air Dryer. MWO 2900 4839 was initially tested by I & C and found dew point high. MWO was turned over to electrical and dewpoint checked prior to performing work on the dryer. The dewpoint checked out within acceptance criteria.	
	Cause Code: E1      Event Code: ZC      (Attach Sheets From 00058-C)	
	Causing Dept(s):	
	Department Manager: [Signature]	Date: 1/25/91

DC # 2-40-231

ROOT CAUSE DETERMINATION WORKSHEET

UNIT 2

SHEET 1 OF 2

1. EVENT INVESTIGATED: Dewpoint readings taken per Pm mwo 29004432 were 74.8 degrees. Acceptance Criteria is 32°F to 50 °F.
2. EVALUATOR(S)/INVESTIGATOR(S): Ken Stokes
3. RESULTS OF INVESTIGATION/REVIEW (Include references and attach continuation sheets if needed)
  - a. CAUSE: The following summarizes the events that took place: ITC took initial dew point readings on 10-5-90 per DE 2511-1550 mwo 29004432 and readings were 74.8 degrees. They initiated another mwo 29004439 for corrective maintenance. ITC again took readings on 10-24-90 and dew point was 58.9°F. ITC then transferred the MWO to Electrical. They took dew point reading prior to performing any corrective maintenance. Dew Point reading was 38.4°F, therefore they closed the MWO. (Cont) ROOT CAUSE CATEGORY/EVENT CODE: E1 2511-1550 2C
  - b. RECOMMENDED CORRECTIVE ACTION(s): Proper training should be given to a specific group of people and those people should take all dew point measurements. Also, The Pm has been marked-up to provide additional guidance to test personnel in the event dew point is found out of acceptance criteria  
CHECKLIST REVISED 11/13/90
- c. ACTIONS TO PREVENT RECURRENCE: (Complete if not included in b above)  
SEE B ABOVE

Resp. Dept. Mgr. Approval: [Signature]  
Estimated Completion Date: COMPLETE 1/25/91

DATE: 1/25/91  
OIT Number: 210-40-1/28/91

Ken Stokes  
INVESTIGATOR SIGNATURE

111-1340  
DATE

SAFETY AS RESP. D-PT MWO  
RESPONSIBLE MANAGER/ERTL

DATE

4. OITs initiated; commitments reviewed; corrective action approved.

[Signature]  
MANAGER TECHNICAL SUPPORT

1/30-91  
DATE

Oct 1/29/91

DC # 2-90-231

SMI 2 of 2

## CONTINUATION SHEET

- a. CAUSE: This dryer was removed from service during a switchgear outage on clearance 29015214 on 10/23/90. The 2nd dew point reading taken on 10/24/90 was probably just after the dryer was placed back in service and a higher dew point would be expected for several cycles of the Air Compressor. Following these cycles, electrical measured dew point on 10-26-90 and found acceptable. (Cont.)

ROOT CAUSE CATEGORY/EVENT CODE: E1 / 2C

- b. RECOMMENDED CORRECTIVE ACTION(s):

N/A

- c. ACTIONS TO PREVENT RECURRENCE: (Complete if not included in b above)

N/A

Resp. Dept. Mgr. Approval: \_\_\_\_\_

DATE: \_\_\_\_\_

Estimated Completion Date: \_\_\_\_\_

OIT Number: \_\_\_\_\_

- a. CAUSE: Subsequent readings were taken per PM MWJ 29005015 and found to be acceptable. It can be concluded that original readings were either improperly taken or the dew point analyzer wasn't working. Since no maintenance has been performed on the analyzer, one can say the original readings were taken improperly.

ROOT CAUSE CATEGORY/EVENT CODE: 1

- b. RECOMMENDED CORRECTIVE ACTION(s): Proper training should be given to <sup>2</sup>

N/A

- c. ACTIONS TO PREVENT RECURRENCE: (Complete if not included in b above)

N/A

Resp. Dept. Mgr. Approval: \_\_\_\_\_

DATE: \_\_\_\_\_

Estimated Completion Date: \_\_\_\_\_

OIT Number: \_\_\_\_\_

FIGURE 1 (CONT'D.)

**PLANNED MAINTENANCE CHANGE REQUEST**

1. LOG NUMBER \_\_\_\_\_

2. [ ] MAJOR ☒ MINOR3. CHECKLIST NUMBER SCL00166 REV. 024. DESCRIPTION OF CHANGE See Attached Mark-Up.

5. REASON FOR CHANGE It is presently unclear as to what action to take when dew point is found out of Acceptance Criteria. Writing a D.C. does not benefit the situation. If these actions are taken as stated on these additional steps, Dew Point within the Control Air system at 40 PSI. can be maintained in an acceptable condition. Through previous conversations with Cooper Energy Services, air moisture quality is acceptable as long as no water is found in the Control Air System.

6. SUBMITTED BY Ken Stokes For Stokes 11/19/907. MAINTENANCE/WPG SUPV.  
OR MAINT. ENGINEER

TECHNICAL REVIEW

1/1

8. PM COORDINATOR

APPROVAL

1/1

9. MAINT. ENGR.

APPROVAL

1/110. MAINTENANCE  
MANAGER/SUPERINTENDENT

APPROVAL

1/1

11. IMPACT REVIEW

WPG NOTIFIED

12. PM COMPUTER DATA BASE REVISED

COMMENTS





## EQUIPMENT MAINTENANCE CHECKLIST CONTINUATION

TWO-NUMBER	CHECKLIST	CLASS	FREQUENCY	PAGE
	SCL00166	C	N/A	2 OF 2
TAG NUMBER	REFERENCE MATERIAL			

MAINTENANCE REQUIREMENTS AND SPECIAL INSTRUCTIONS				SKILL AND INITIALS
<p>D. SECTIONS 3.1.2, 3.2 AND 5.1 ARE USED TO OBTAIN DEW POINT READINGS.</p> <p>NOTE</p> <p>ALLOW APPROXIMATELY 30 TO 40 MINUTES FOR READING TO STABILIZE.</p> <p>NOTE</p> <p>ACCEPTABLE READING ARE BETWEEN 32 DEGREES FAHRENHEIT AND 50 DEGREES FAHRENHEIT.</p> <p>E. IF DEW POINT IS NOT WITHIN ACCEPTANCE CRITERIA PERFORM THE FOLLOWING:</p> <ol style="list-style-type: none"> <li>Notify System Engineer.</li> <li>Initiate corrective action MWO, if required.</li> <li>Notify Operations and request Air Dryer and Air Compressor to be tagged out. Inform S.S. of corrective action MWO Number and request priority.</li> </ol> <p>NOTE</p> <p>AIR RECEIVER OUTLET VALVE SHOULD NOT BE ISOLATED UNLESS MOISTURE IS NOTICED WITHIN THE CONTROL AIR SYSTEM. THIS SHOULD BE CHECKED BY OPENING FOR A FEW SECONDS TEST CONNECTION VALVE IN LOWER LEFT PART OF THE ENGINE CONTROL PANEL. THIS MOISTURE CHECK SHOULD BE PERFORMED EVERY 12 hours UNTIL DEW POINT IS ACCEPTABLE.</p>				
				REV. 02

NOTE

A D.C. IS NOT REQUIRED IF DEW POINT IS OUT OF ACCEPTANCE CRITERIA SINCE CORRECTIVE ACTION IS BEING PERFORMED BY STEP E ABOVE.

## EQUIPMENT MAINTENANCE CHECKLIST

MWO-NUMBER	CHECKLIST	CLASS	FREQUENCY	PAGE
19004870	SCL00166	C	001-MO	1 OF 3
TAG NUMBER	REFERENCE MATERIAL			
12403G4002K02				

MAINTENANCE REQUIREMENTS AND SPECIAL INSTRUCTIONS	SKILL AND INITIALS
DIESEL GENERATOR AIR START DRYER MAINTENANCE (COMMITMENT 15423, 15068 AND 14831)	
CLEAN CONDENSING UNIT (IEN: 87-028)	
1. STOP FAN MOTOR.	<u>ILC / PIC</u>
2. CLEAN CONDENSING UNIT.	<u>ELC / PIC</u>
NOTE COMPRESSED AIR OR A VACUUM CLEANER MAY BE USED TO CLEAN THE CONDENSING UNIT.	
3. START FAN MOTOR.	<u>ELC / PIC</u>
MEASURE DEW POINT AND RECORD IN BLOCK 27 OF MWO.	<u>ELC / PIC</u>
A. USE EG & G HUMIDITY ANALYZER.	
NOTE WHEN OVERHEAD FAN AND/OR AIR COMPRESSOR RUNS THE DEW POINT READING WILL CHANGE SLIGHTLY. IF READINGS ARE AFFECTED BY OVERHEAD FAN, HAVE OPERATIONS STOP FAN DURING TEST.	
B. USE EG & G INSTRUCTION MANUAL FOR OPERATION OF EQUIPMENT. VM-494	
MAINTENANCE ENGINEER/SUPV. APPROVAL H R VAUGHT LAST MINOR CHANGE DATE 00/00/00	REV. 03 11/13/90

WORKING COPY	
CONTROLLED REVISION	
SIGNATURE	DATE
<u>PIC</u>	<u>12-31-90</u>

Added



## EQUIPMENT MAINTENANCE CHECKLIST CONTINUATION

MWO-NUMBER	CHECKLIST	CLASS	FREQUENCY	PAGE
19004870	SCL00166	C	001-MO	2 OF 3
TAC NUMBER	REFERENCE MATERIAL			
12403G4002K02				

MAINTENANCE REQUIREMENTS AND SPECIAL INSTRUCTIONS	SKILL AND INITIALS
<p>C. CONNECT EG &amp; G TO AIR START RECEIVER PRESSURE GAUGE.</p> <p>D. SECTIONS 3.1.2, 3.2 AND 5.1 ARE USED TO OBTAIN DEW POINT READINGS.</p> <p>NOTE</p> <p>ALLOW APPROXIMATELY 30 TO 40 MINUTES FOR READING TO STABILIZE.</p> <p>NOTE</p> <p>ACCEPTABLE READING ARE BETWEEN 32 DEGREES FAHRENHEIT AND 50 DEGREES FAHRENHEIT.</p> <p>E. IF DEW POINT IS NOT WITHIN ACCEPTANCE CRITERIA PERFORM THE FOLLOWING:</p> <p>A.) NOTIFY SYSTEM ENGINEER.</p> <p>B.) INITIATE CORRECTIVE ACTION MWO, IF REQUIRED.</p> <p>C.) NOTIFY OPERATIONS AND REQUEST AIR DRYER AND AIR COMPRESSOR TO BE TAGGED OUT. INFORM S.S. OF CORRECTIVE ACTION MWO NUMBER AND REQUEST PRIORITY.</p>	<p><i>Added</i></p>
	REV. 03

## EQUIPMENT MAINTENANCE CHECKLIST CONTINUATION

MWO-NUMBER	CHECKLIST	CLASS	FREQUENCY	PAGE
19004870	SCL00166	C	001-MO	3 OF 3
TAG NUMBER	REFERENCE MATERIAL			
2403G4002K02				

MAINTENANCE REQUIREMENTS AND SPECIAL INSTRUCTIONS	SKILL AND INITIALS
<p>NOTE</p> <p>AIR RECEIVER OUTLET VALVE SHOULD NOT BE ISOLATED UNLESS MOISTURE IS NOTICED WITHIN THE CONTROL AIR SYSTEM. THIS SHOULD BE CHECKED BY OPENING FOR A FEW SECONDS TEST CONNECTION VALVE IN LOWER LEFT PART OF THE ENGINE CONTROL PANEL. THIS MOISTURE CHECK SHOULD BE PERFORMED EVERY 12 HOURS UNTIL DEW POINT IS ACCEPTABLE.</p> <p>NOTE</p> <p>A D.C. IS NOT REQUIRED IF DEW POINT IS OUT OF ACCEPTANCE CRITERIA SINCE CORRECTIVE ACTION IS BEING PERFORMED BY STEP ABOVE.</p> <p><i>Added</i></p>	
	REV. 03

# Deficiency Card

Completed By Initiator	Card #	19042		020472	
	1: Description of Deficiency		<input checked="" type="checkbox"/> Unit 1 <input type="checkbox"/> Unit 2 <input type="checkbox"/> Common		(Additional Sheets Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No)
	1-2403-G4-002-K02 DEW POINT READINGS WERE TOO HIGH (ABOVE TOLERANCE 60.2°F ; 70.8°F)				
Completed By USS Within 2 Hours	Location Of Deficiency?		DIESEL BUILDING WAIT I & TRAIN K02		
	What is Affected By The Deficiency?		DRYING AIR TO 11-15-90 COMPRESSOR & DRYER		
	How Was The Deficiency Discovered?		BY CHECKING DEW POINT READING WITH VP 1296 DUE DATE 8-17-91 REF: PM SCL00166		
	Event Time	0900 CST	Date	11-15-90	Discovery Time 1000 CST Date 11-15-90
	Discovered By?	Buddy Berry	Work #	19004394	Dept. I+C
	2: Shift Supervisor Review				
	Name Of USS Reported To?		WP Stephens JR	Time	1418
	Date		11/15/90		
	Plant Model/Condition:		MODEL 1 / 100 % RDP		
	Is Immediate Notification Required?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
If Yes, <input type="checkbox"/> 1 Hour, <input type="checkbox"/> 4 Hour, or <input type="checkbox"/> 24 Hour		NA			
Tech. Spec. Required Action Taken?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <del>NA</del>			
List Applicable Tech. Spec. Section(s)		3.8.1.1			
Summarize Compensatory Action Taken:					
LCO Initiated:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No   #			
Type: Info		140737I LCO			
WRT Initiated:		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   #			
Signature Of USS		WP Stephens JR			
Date		11/15/90			
Time		1420			

3: Technical Support Review	
NSAC Evaluation/Review (Check Appropriate Box)      Date Received: <u>11-16-90</u>	
A. <input checked="" type="checkbox"/>	No Deficiency Card Required. Send Copy To Responsible Dept., Close Original
B. <input type="checkbox"/>	Reportable Deficiency. Report #
C. <input type="checkbox"/>	Deficiency. Not Reportable.
Explanation: Another DC (DC 1-90-408) has already been issued to document the fact that the dew point for air receiver 1-2403-64-002-K02 is too high. As noted on the previous DC, the problem is being investigated per MWO 19004394 and LCO 1-90-737I has been initiated. If any action, other than corrective maintenance action is required, then such action will be noted by the Engineering disposition of DC 1-90-408.	
Responsible Dept.: <u>Eng. Support</u>	
NSAC Reviewer: <u>W. H. Smith</u> Date: <u>11-16-90</u>	
NSAC Supervisor: <u>R. M. O'Connell</u> Date: <u>11-16-90</u>	
4: Disposition, For Deficiencies in Item 3C Above Only.	
N/A	
Cause Code:      Event Code:      (Attach Sheets From 00058-C)	
Causing Dept(s):	
Department Manager:      Date:	

70666 1238