



Consumers
Power
Company

James W Cook
Vice President - Projects, Engineering
and Construction

General Offices: 1945 West Parnall Road, Jackson, MI 49201 • (517) 788-0453

February 25, 1986

Director of Office of Inspection
and Enforcement
Att Mr James M Taylor
US Nuclear Regulatory Commission
Washington, DC 20555

MIDLAND PROJECT - ALAB-106 MONTHLY
REPORT FOR JANUARY 1986
DOCKET NOS 50-329 AND 50-330
FILE 0.4.6 SERIAL 32581

In accordance with Condition of Memorandum and Order ALAB-106, dated March 23, 1973, and Amendment No 1 of the Midland Plant Construction Permit, enclosed are five copies of the following documents written or closed during the month; Bechtel Nonconformance Reports, Quality Action Requests, Management Corrective Action Reports, Quality Audit Findings; Babcock & Wilcox Reports of Nonconformity; Consumers Power Company Nonconformance Reports, Audit Finding Reports, Quality Action Requests, Corrective Action Reports, and Management Corrective Action Requests/Reports.

James W. Cook

JWC/WRB/lr

CC JGKepler, USNRC Region III (w/enc)
CBechhoefer, Esq, ASLB (w/enc)
ALAB-106 Service List (w/enc)

8603100418 860225
PDR ADDCK 05000329
R PDR

File

OC0286-0018A-MP02

ALAB-106 MONTHLY REPORT SERVICE LIST

Mr Frank J Kelley, Esq
Attorney General of the
State of Michigan

Ms Carole Steinberg, Esq
Assistant Attorney General
Environmental Protection Div
720 Law Building
Lansing, MI 48913

Mr Myron M Cherry, Esq
Cherry & Flynn
3 First National Plaza
Suite 3700
Chicago, IL 60602

Mr F C Williams, Esq
Isham, Lincoln & Beale
1120 Connecticut Ave, NW
Suite 325
Washington, DC 20036

Ms Barbara Stamiris
5795 North River Road
Route 3
Freeland, MI 48623

Mr John DeMeester, Esq
Dow Chemical Building
Michigan Division
Midland, MI 48640

Mr Michael I Miller, Esq
Isham, Lincoln & Beale
3 First National Plaza
52nd Floor
Chicago, IL 60602

Mr Steve Gadler
2120 Carter Avenue
St Paul, MN 55108

Mr William Clements (2)
Docketing & Services
US Nuclear Regulatory Commission
Office of the Secretary
Washington, DC 20555

Ms Mary Sinclair
5711 Summerset Street
Midland, MI 48640

Mr Joseph Rutberg
Assistant Chief Hearing Council
US Nuclear Regulatory Commission
Office of the Executive Legal Director
Washington, DC 20555

Mr P Robert Brown, Jr
Clark, Klein & Beaumont
1600 First Federal Building
1001 Woodward Avenue
Detroit, MI 48226

Ms Lynne Bernabei
Government Accountability
Project of the Institute
for Policy Studies
1901 Q Street, NW
Washington, DC 20009

Mr James E Brunner, Esq
Consumers Power Company
212 West Michigan Avenue
Jackson, MI 49201

INDEX OF ATTACHMENTS
ALAB-106 MONTHLY REPORT
JANUARY 1986

Bechtel Nonconformance Reports - None

Bechtel Quality Action Requests - None

Bechtel Management Corrective Action Reports - None

Bechtel Quality Audit Findings - None

Babcock & Wilcox Reports of Nonconformity - None

Consumers Power Company Nonconformance Reports -

Q-00053, Opened 1/14/86

Q-00054, Opened 1/21/86

Q-00018, Closed 1/14/86

Q-00035, Closed 1/31/86

Q-00036, Closed 1/2/86

Q-00040, Closed 1/31/86

Q-00042, Closed 1/8/86

Q-00050, Closed 1/9/86

Q-00052, Closed 1/31/86

Q-00055, Closed 1/28/86

Q-00056, Closed 1/31/86

Consumers Power Company Audit Finding Reports - None

Consumers Power Company Quality Action Requests - None

Consumers Power Company Corrective Action Reports - None

Consumers Power Company Management Corrective Action Request/Reports - None

QUALITY ASSURANCE DIVISION FORM QAD-1 NONCONFORMANCE REPORT	15 NCR NO.	17 REV
	Q-00053	0
	16 DATE ISSUED 1/14/86	
18 PAGE 1 OF 2		

1 ITEM LOCATION
Inactive M&TE storage

2 DRAWING OR PART NO. AND REV. NA	3 PART NAME M&TE items	4 SERIAL NO. NA
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5 ITEM DESCRIPTION
Nonconforming M&TE

6 ITEM STARTUP SYSTEM NO. NA	7 REFERENCE DOCUMENT NA	8 ASME A.N.I. REQUIRED NA
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9 INSPECTION PLAN NA	REV	10 ACTION ORGANIZATION To be determined later See block # 30
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11 ACTIVITY HOLD REQUIRED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	ACTIVITY HOLD ORDER NO.
---------------------------------------------------------------------------------------------------	-------------------------

12 REQUIREMENT
See block 13, below.

13 NONCONFORMANCE

The purpose of this NCR is to document all construction related M&TE items which were determined to have calibration problems at the final calibration check. This is a non-S&M related NCR. It will remain open and be revised, as needed, to add any additional M&TE items found in the future. In the event of a nuclear restart each of these items must be evaluated for its impact on past construction. Refer to the attached pages for the listing of M&TE items.

14 NCR ORIGINATED BY <i>J L Wood, Jr.</i>	DATE 1/15/86
----------------------------------------------	-----------------

19 HOLD TAG APPLIED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	20 LOCATION OF HOLD TAGS OR SEGREGATED AREA Inactive M&TE storage
ITEMS SEGREGATED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

21 NEED TO REVIEW FOR REPORTABILITY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	23 TREND CODE NA	24 NCR REVIEWED BY <i>John L. Wood, Jr.</i> DATE <i>1/15/86</i>
---------------------------------------------------------------------------------------------------------	---------------------	--------------------------------------------------------------------

22 DETERMINED TO BE REPORTABLE <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA	25 SECTION HEAD, ASSURANCE ENGINEERING NA
------------------------------------------------------------------------------------------------------------------------	----------------------------------------------

Various

27 PROCESS CORRECTIVE ACTION REQUIRED YES NO

28 RECOMMENDED DISPOSITION
To be determined in event of a nuclear restart
 REWORK SCRAP/REJECT REPAIR* USE AS IS*

*REQUIRES TECHNICAL JUSTIFICATION ATTACHED

29 CONDITIONAL RELEASE NEEDED YES NO CR NO:

30 ADDITIONAL INFORMATION
Disposition of each M&TE item and any impact on past safety related construction work will be made if there is a nuclear restart at a future date.

John Howard
1/6/84

31 DISPOSITION CONCURRENCE

_____	DATE	_____	DATE
ACTION ORGANIZATION		QAD CONCURRENCE	
_____	DATE	_____	DATE
ENGINEERING		A.N.I. (ASME) IF REQUIRED	

32 DISPOSITION ACTION TAKEN

33 METHOD OF DISPOSITION ACTION VERIFICATION

RESULTS OF DISPOSITION ACTION VERIFICATION

ACCEPTABLE UNACCEPTABLE
IF UNACCEPTABLE, REFERENCE SUPERSEDING NCR NUMBER _____

34 NCR CLOSED BY

_____	DATE
QAD	
_____	DATE
A.N.I. (ASME) IF REQUIRED	

M&TE CALIBRATION #

DESCRIPTION:

8325-00250	Decade Resistor S/N 21544
8325-12657	Clark Hardness Block S/N 82675
8325-12639	" " " S/N 823812
8325-12634	" " " S/N 802017
8325-12636	" " " S/N 801984
8325-12637	" " " S/N 823770
8325-12638	" " " S/N 822757
8325-12633	" " " S/N 811726
8325-10390 (BPC-499)	Temperature Recorder (32°F to 110°F)
8325-10390 (BPC-714)	Temperature Recorder (32°F to 110°F)
8325-00243 (BPC-1494)	Pressure Gage (0-300 psi)
8325-00243 (BPC-M150)	Pressure Gage (0-400 psi)
8325-00243 (BPC-1619)	" " (0-200 psi)
8325-00243 (BPC-1620)	" " (0-200 psi)
8325-00243 (BPC-1621)	" " (0-200 psi)
8325-00243 (BPC-1625)	" " (0-200 psi)
8325-00243 (BPC-1626)	" " (0-200 psi)
8325-00243 (BPC-1618)	" " (0-200 psi)
8325-00821 (BPC-3823)	Dial Thermometer (0-500°F)
8325-10390 (BPC-4439)	Pocket Thermometer (25-125°F)

8325-00821 (BPC-4333)	Dial Thermometer (50 to 500°F)
8325-00821 (BPC-4332)	" " (50 to 500°F)
8325-00821 (BPC-4327)	" " (50 to 500°F)
8325-00821 (BPC-4318)	" " (50 to 500°F)
8325-00821 (BPC-4310)	" " (50 to 500°F)
8325-00821 (BPC-4298)	" " (50 to 500°F)
8325-00821 (BPC-4294)	" " (50 to 500°F)
8325-00821 (BPC-4286)	" " (50 to 500°F)

QUALITY ASSURANCE DIVISION FORM QAD-1 NONCONFORMANCE REPORT	15 NCR NO. <i>Q-00054</i>	17 REV <i>0</i>
	16 DATE ISSUED <i>1/21/86</i>	
	18 PAGE <i>1</i> OF <i>2</i>	

1 ITEM LOCATION
NA

2 DRAWING OR PART NO. AND REV. <i>NA</i>	3 PART NAME <i>NA</i>	4 SERIAL NO. <i>NA</i>
---------------------------------------------	--------------------------	---------------------------

5 ITEM DESCRIPTION
Computer Program error, Program ME 101, Versions J4, J5, K1 and K2.

6 ITEM STARTUP SYSTEM NO. <i>NA</i>	7 REFERENCE DOCUMENT <i>NA</i>	8 ASME A.N.I. REQUIRED <i>NA</i>
----------------------------------------	-----------------------------------	-------------------------------------

9 INSPECTION PLAN REV <i>NA</i>	10 ACTION ORGANIZATION Engineering Technical Support
------------------------------------	---------------------------------------------------------

11 ACTIVITY HOLD REQUIRED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	ACTIVITY HOLD ORDER NO. <i>NA</i>
---------------------------------------------------------------------------------------------------	--------------------------------------

12 REQUIREMENT
Section 4.2.2 of Procedure QA-6, revision 2 states in part: "When a nonconformance is reported to or detected by QAD personnel, QAD is responsible for: ...d. Documenting nonconformance on a NCR (Appendix A)."

13 NONCONFORMANCE
On January 15, 1986 Consumers Power Company received formal notification from Bechtel Power Corporation (ref. BPCo Letter COM 157157, 1/8/86) which identifies an error in a computer design program. The specific program is the ME 101, versions J4, J5, K1 and K2, and is used in static analysis of piping elements. Incorrect data results when ME 101 analysis computer runs call out the EAL internal program solver instead of using the standard SAP internal solver to perform static uniform design analysis. At this time, it has been established that design analyses performed for the Midland Energy Center used the ME 101 program. However it has not been established whether these design analyses used the EAL internal program solver.

14 NCR ORIGINATED BY <i>M C Butterfield</i> M C Butterfield	<i>1/21/86</i> DATE
-------------------------------------------------------------------	------------------------

19 HOLD TAG APPLIED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO ITEMS SEGREGATED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	20 LOCATION OF HOLD TAGS OR SEGREGATED AREA <i>N/A</i>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------

21 NEED TO REVIEW FOR REPORTABILITY <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	23 TREND CODE <i>NA</i>	24 NCR REVIEWED BY <i>HP LEONARD</i> DATE <i>1/21/86</i>
---------------------------------------------------------------------------------------------------------	----------------------------	-------------------------------------------------------------

22 DETERMINED TO BE REPORTABLE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <i>0.4.9.114</i>	25 SECTION HEAD, ASSURANCE ENGINEERING <i>HP LEONARD 1/21/86</i>
------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------

26 CAUSE

27 PROCESS CORRECTIVE ACTION REQUIRED YES NO

28 RECOMMENDED DISPOSITION

REWORK SCRAP/REJECT REPAIR* USE AS IS*

*REQUIRES TECHNICAL JUSTIFICATION ATTACHED

29 CONDITIONAL RELEASE NEEDED YES NO CR NO:

30 ADDITIONAL INFORMATION

31 DISPOSITION CONCURRENCE

_____ ACTION ORGANIZATION _____ DATE _____ QAD CONCURRENCE _____ DATE

_____ ENGINEERING _____ DATE _____ A.N.I. (ASME) IF REQUIRED

32 DISPOSITION ACTION TAKEN

33 METHOD OF DISPOSITION ACTION VERIFICATION

RESULTS OF DISPOSITION ACTION VERIFICATION

ACCEPTABLE UNACCEPTABLE
IF UNACCEPTABLE, REFERENCE SUPERSEDING NCR
NUMBER _____

34 NCR CLOSED BY

_____ QAD _____ DATE

_____ A.N.I. (ASME) _____ DATE
IF REQUIRED

NONCONFORMANCE REPORT

1 ITEM LOCATION

JACKSON SPILLS

2 DRAWING OR PART NO. AND REV.

ID # 8325-00250

3 PART NAME

DECADE RESISTOR

4 SERIAL NO.

21544

5 ITEM DESCRIPTION

MODEL 1433 T

6 ITEM STARTUP SYSTEM NO.

NA

7 REFERENCE DOCUMENT

JEB022585-2 (ON)

8 ASME A.N.I. REQUIRED

NA

9 INSPECTION PLAN REV

NA

10 ACTION ORGANIZATION

MIDLAND ENERGY CENTER H&E
JACKSON SPILLS

11 ACTIVITY HOLD REQUIRED:

ACTIVITY HOLD ORDER NO.

YES NO

NA

12 REQUIREMENT

INSTRUMENT CALIBRATION RANGE TO BE WITHIN SPECIFIED LIMIT FOR 10.0 OHM DECADE STEP ON PROCEDURE C & IS No. IS-F-42. REV 2

13 NONCONFORMANCE

INSTRUMENT WAS OUT OF CALIBRATION ON 10 OHM DECADE STEP BY 0.06% HIGH AT ITS WORST POINT (30.0 OHM). SEE CALIBRATION REPORT # 8325-00250 dated 2-21-85.

14 NCR ORIGINATED BY

JL Zimmerman
JL ZIMMERMAN

4-17-85
DATE

19 HOLD TAG APPLIED YES NO

ITEMS SEGREGATED YES NO

20 LOCATION OF HOLD TAGS OR SEGREGATED AREA

JACKSON SPILLS INACTIVE STORAGE / HOLD AREA

21 NEED TO REVIEW FOR REPORTABILITY YES NO

23 TREND CODE

3

24 NCR REVIEWED BY JOHN L. WOOD JR

John L. Wood Jr
DATE 4/17/85

22 DETERMINED TO BE REPORTABLE

YES NO

NA

25 SECTION HEAD, ASSURANCE ENGINEERING

NA

UNKNOWN

27 PROCESS CORRECTIVE ACTION REQUIRED YES NO

28 RECOMMENDED DISPOSITION

REWORK SCRAP/REJECT REPAIR* USE AS IS*

*REQUIRES TECHNICAL JSUTIFICATION ATTACHED

29 CONDITIONAL RELEASE NEEDED YES NO CR NO: —

30 ADDITIONAL INFORMATION

INSTRUMENT HAS BEEN PLACED IN THE INACTIVE STATUS HOLD AREA of JACKSON S P #LS. MUST BE RE-CALIBRATED PRIOR TO RETURN TO MIDLAND ACCEPTANCE OF ITEMS PREVIOUSLY TESTED SINCE LAST CALIBRATION DATE MUST BE VERIFIED.

31 DISPOSITION CONCURRENCE

ACTION ORGANIZATION _____ DATE _____ QAD CONCURRENCE _____ DATE _____

ENGINEERING _____ DATE _____ A.N.I. (ASME) IF REQUIRED _____

32 DISPOSITION ACTION TAKEN

Control of the non-conformance for this piece of M&TE is being transferred to NCR-Q-00053, which will be an open, non-S&M related, NCR whose purpose is to document all construction related M&TE deficiencies for later evaluation in the event of a possible nuclear restart. This NCR is closed. J Wood

33 METHOD OF DISPOSITION ACTION VERIFICATION

see block #32

RESULTS OF DISPOSITION ACTION VERIFICATION

ACCEPTABLE UNACCEPTABLE
IF UNACCEPTABLE, REFERENCE SUPERSEDING NCR NUMBER _____

34 NCR CLOSED BY

JOHN L. WOOD JR

JL Wood Jr 1/14/86
QAD _____ DATE _____

A.N.I. (ASME) _____ DATE _____
IF REQUIRED

ALITY
SURANCE
VISION
ORM QAD-1

RECORD COPY

NONCONFORMANCE REPORT

15 NCR NO.	17 REV
<i>A-00035</i>	0
16 DATE ISSUED	
<i>10/22/85</i>	
18 PAGE <u>1</u> OF <u>2</u>	

ITEM LOCATION
Reactor Building, Containment #2, 640' Elevation

1 DRAWING OR PART NO. AND REV.	3 PART NAME	4 SERIAL NO.
M-411 Sh. A&B (Q) revision 0	Core Flood Tank System	NA

5 ITEM DESCRIPTION
Core Flood Tank System - Unit 2

5 ITEM STARTUP SYSTEM NO.	7 REFERENCE DOCUMENT	8 ASME A.N.I. REQUIRED
2-CFS	WO 22500662	<i>NA</i>

9 INSPECTION PLAN	REV	10 ACTION ORGANIZATION
WO-500662	0	O & M Division

1 ACTIVITY HOLD REQUIRED:	ACTIVITY HOLD ORDER NO.
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	NA

2 REQUIREMENT
1) WO 22500662 step 03: Verify that the balance of the CFS system is dry by opening system vent and drain valves. If moisture is present, blow dry with service air until no water comes from the drains.
2) WO 22500662 step 05: Place an "X" through all valves that are shut and circle all valves that are open on the attached P&ID.

3 NONCONFORMANCE
1) Contrary to requirement #1 a steady trickle of water was obtained from drain valves 2VCFS 083 and 2VCFS 084 when they were opened. Several drops of water were received from valves 2VCFS049 and 2VCFS050 when they were opened.
2) Contrary to requirement #2 gageline valve 2VCFS016 is not circled to indicate an open valve even though the drawing has a statement indicating the valve position.

14 NCR ORIGINATED BY	
<i>D.A. Nott</i>	<i>10/22/85</i>
D A Nott	DATE

19 HOLD TAG APPLIED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	20 LOCATION OF HOLD TAGS OR SEGREGATED AREA
ITEMS SEGREGATED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	NA

21 NEED TO REVIEW FOR REPORTABILITY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	23 TREND CODE	24 NCR REVIEWED BY
	1	<i>James L. Wood Jr</i>
		DATE <i>10/22/85</i>

22 DETERMINED TO BE REPORTABLE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	25 SECTION HEAD, ASSURANCE ENGINEERING
<i>NA</i>	<i>NA</i>

This copy replaces original and the original of the disposition close out is on the back of this copy.
2/3/86

CAUSE Item 1 - The amount of water found during this inspection maybe attributed to condensation in the system.

Item 2 - The operator wrote open next to the valve to indicate valve position.

7 PROCESS CORRECTIVE ACTION REQUIRED YES NO

8 RECOMMENDED DISPOSITION
 REWORK SCRAP/REJECT REPAIR* USE AS IS*
Item 1

*REQUIRES TECHNICAL JUSTIFICATION ATTACHED

9 CONDITIONAL RELEASE NEEDED YES NO CR NO:

0 ADDITIONAL INFORMATION

1 DISPOSITION CONCURRENCE

Steve Elmer 1/30/86
ACTION ORGANIZATION DATE
R Budrick 1/31/86
ENGINEERING DATE

WPA Nott 1/30/86
QAD CONCURRENCE DATE
A.N.I. (ASME) IF REQUIRED

12 DISPOSITION ACTION TAKEN

Item 1 - See R Budrick/Ji Christy letter on condensation. No further action to be taken.

Item 2 - Since the Pj ID's are for operations use, no further action will be taken.

33 METHOD OF DISPOSITION ACTION VERIFICATION

Agree with block 32 Item #1 & #2

RESULTS OF DISPOSITION ACTION VERIFICATION

ACCEPTABLE UNACCEPTABLE
IF UNACCEPTABLE, REFERENCE SUPERSEDING NCR NUMBER _____

34 NCR CLOSED BY

WPA Nott 1/31/86
QAD DATE
A.N.I. (ASME) IF REQUIRED DATE
1/12

¹⁰ H P Leonard

DATE 11/20/85

cc RG Budrick
JT Christy

SUBJECT Inspection of
Drained & Dried Systems

MESSAGE If the volume of water collected when a drain valve is opened is less than or equal to the volume of the drain line between the valve and the tank/pipe, the water may be considered to be condensation of moisture in the air trapped in the tank/pipe and is not an indication of improper draining. This does not apply to those cases where a pipe system is incomplete and one of the main system valves is opened to check for water.

The attachments give the capacity in pounds of water per linear foot of pipe of various diameters, and ~~show~~ the exterior pipe diameter for identification of nominal pipe size.

RE Whitaker 11/20/85

SIGNED

DATE

To MButterfield, MEC
From JTChristy/RGBudrick, MEC *JTChristy*
Date November 27, 1985
Subject MARKED UP P&IDS ASSOCIATED WITH LAYUP WORK ORDERS
CC HPLeonard, MEC
JLWood, MEC
SFGreve, MEC

CONSUMERS
POWER
COMPANY
Internal
Correspondence
RGB 40-85

Currently layup work orders contain a step which requires the worker in the field to note on an attached P&ID all piping or equipment that is not installed and place an "X" through all valves that are left in the shut position. The purpose of this letter is to assure a uniform understanding as to what this step is for.

This line item in the work order process is not an engineering mandated requirement, or needed by engineering for layup activities. Instead, this activity serves as an aid to the O&M department while performing their layup work operations in the field, and is in excess of that required. Therefore, this activity is deleted per this letter.

NONCONFORMANCE REPORT

1 ITEM LOCATION 674'-6" Elevation of Auxiliary Bldg. Rooms 700 and 701	
2 DRAWING OR PART NO. AND REV. M-7 Sh. 2 revision 19	3 PART NAME A/C, 1B92 B/D, 2B91A/C 1B-91 A, B, C, D 2B-91 A, B, C, D
4 SERIAL NO. NA	
5 ITEM DESCRIPTION 1B91A/C, 1B92B/D, 2B91A/C and 2B92B/D Control Rod Drive Breakers 1B-91 A, B, C, D & 2B-91A, B, C, D in Electrical Equipment Rooms 700 and 701.	
6 ITEM STARTUP SYSTEM NO. NA	7 REFERENCE DOCUMENT CP-F10-160 rev. 1; CP-F10-2024 rev. 0 ANSI N45.2.2-1972
8 ASME A.N.I. REQUIRED NA	
9 INSPECTION PLAN NA	10 ACTION ORGANIZATION Operations & Maintenance Division
11 ACTIVITY HOLD REQUIRED: <u> </u> YES <u> X </u> NO	ACTIVITY HOLD ORDER NO. NA
12 REQUIREMENT Paragraph 6.1.2(1) of ANSI N45.2.2-1972 states: "Level A items shall be stored under special conditions similar to those described for Level B items but with additional requirements such as temperature and humidity control within specified limits, a ventilation system with filters to provide an atmosphere free of dust and harmful vapors, and any other appropriate requirements." CP-F10-160 rev. 1 & CP-F10-2024 rev. 0 require the Control Rod Drive Breaker Equipment be Storage Level A.	
13 NONCONFORMANCE Contrary to the above requirement, rooms 700 & 701 do not have filtered ventilation.	
14 NCR ORIGINATED BY <u>R.L. Bishop</u> 10-30-85 R.L. Bishop DATE <u>[Signature]</u> 12/17/85	
19 HOLD TAG APPLIED <u> </u> YES <u> X </u> NO ITEMS SEGREGATED <u> </u> YES <u> X </u> NO	20 LOCATION OF HOLD TAGS OR SEGREGATED AREA NA
21 NEED TO REVIEW FOR REPORTABILITY <u> </u> YES <u> X </u> NO	23 TREND CODE 5
24 NCR REVIEWED BY <u>[Signature]</u> 10/30/85 DATE	
22 DETERMINED TO BE REPORTABLE <u> </u> YES <u> X </u> NO <u> NA </u> <u>[Signature]</u> 10/30/85	25 SECTION HEAD, ASSURANCE ENGINEERING NA

Perception that storage requirements as defined by vendor recommendations for storage were not adequate due to CLASS A environment being referenced on CR-10 2024.

27 PROCESS CORRECTIVE ACTION REQUIRED YES NO

28 RECOMMENDED DISPOSITION

REWORK SCRAP/REJECT REPAIR* USE AS IS*

*REQUIRES TECHNICAL JUSTIFICATION ATTACHED

29 CONDITIONAL RELEASE NEEDED YES NO CR NO:

30 ADDITIONAL INFORMATION

Engineering's position JGB 08-85 explains actions taken to arrive at disposition. (Attached).

31 DISPOSITION CONCURRENCE

Colt E McLean 12-20-85 [Signature] 12/20/85
ACTION ORGANIZATION DATE QAD CONCURRENCE DATE
James J. Belger 12-20-85
ENGINEERING DATE A.N.I. (ASME) IF REQUIRED

32 DISPOSITION ACTION TAKEN

Revisions of CR-F10-2024 (copy attached) will be made with #45 to identify clearly the requirements for rooms (AK700 & AK701), also issue CR-F10-160 (attached)

33 METHOD OF DISPOSITION ACTION VERIFICATION

Reviewed approved copies of documents in block #32. Documents issued and approved 12/26/85

RESULTS OF DISPOSITION ACTION VERIFICATION
 ACCEPTABLE UNACCEPTABLE
IF UNACCEPTABLE, REFERENCE SUPERSEDING NCR NUMBER _____

34 NCR CLOSED BY

W.A. Nott 1/2/86
QAD DATE

A.N.I. (ASME) DATE
IF REQUIRED

To JLWood, Midland Energy Center
From JGBalazer, Midland Energy Center
Date December 20, 1985
Subject MIDLAND ENERGY CENTER -
NCR Q-00036
CC RGBudrick, MEC

CONSUMERS
POWER
COMPANY

Internal
Correspondence

JGB 08-85

~~Discussed with NCR~~ *RGBudrick 12/20/85*

~~Engineering Technical Support would declare it invalid as it is written against an attribute which is not a criteria or an ANSI requirement.~~ *RGBudrick 12/20/85*

ANSI N45.2.2-1972, paragraph 6.1.2, subparagraph 1, does not require filtered ventilation for rooms but does say that Level A items shall be stored under special conditions similar to those of Level B items but with additional requirements such as . . . and other appropriate requirements.

Engineering Technical Support does recognize special conditions which may include temperature, dust and humidity considerations as appropriate for the circumstances and as recommended by the vendor.

Dust control can be achieved in several ways appropriate for the circumstances.

1. A filtered ventilation system is inappropriate due to the room arrangement (open stairwell) and the difficulty and expense of isolating the room and installing a temporary filtered HVAC unit.
2. Very frequent vacuuming/dusting is labor intensive and, therefore, inappropriate.
3. Bechtel covered the panels to minimize dust intrusion which proved effective and appropriate during construction.

An inspection today would reveal that the panels remain covered and have filter material installed to reduce dust entry. The dust presently on interior surfaces is minimal and does not threaten the integrity of the switchgear, especially in a low humidity environment. ANSI N45.2.2, 1972, paragraph 2.7.2, item 6, even suggests that switchgear be stored in a Level B environment. The Level A attributes in this circumstance are temperature and humidity.

To minimize concern for the panels, Engineering issued ENFC-1 on 11-25-85, which specifies that these breaker panels remain covered. Similarly F10-160 is currently being reinitiated to check and maintain the integrity of the cover (requirement deleted in April, 1985).

~~Per your invitation to Operations on Wednesday, December 18, 1985, Engineering Technical Support would like to be extended the opportunity to review draft NCRs to allow consideration for technical correctness and prompt responsiveness.~~ *RGBudrick 12/20/85*

IC1285-0022A-AD02

PREVENTIVE MAINTENANCE REQUIREMENTS

Item(s): Control Room, Safety Related Rooms,
Equipment Rooms, Computer Room (NQ)
and Programming Room (NQ)

X Q ___ NQ

Equipment Number(s): NA

P.O. No: J-207
M-1.5

Location(s): Control Room AX625, El 659'
Safety Related Room AX624, El 659'
Safety Related Room AX626, El 659'
Equipment Rooms AX700, AX701, El 674'-6"
Computer Room T752, El 675'
Programming Room T639, El 659'

Storage Level: A

DESCRIPTION

Requirements:

1. Temperature shall be maintained between 50° and 110°F and shall be checked and recorded weekly.
2. a. Relative humidity should be maintained at 50% or less and shall not exceed 60%. Check and record humidity weekly. Notify Engineering if humidity exceeds 50%.
b. Check dehumidifiers for proper operation as needed.
3. Except for Rooms AX700 and AX701, provide filtered ventilation. Quarterly check for significant film of dust on HVAC equipment air filters and change as necessary.

References:

1. ENFC-1
2. Vendor File J-207
3. Vendor File M-1.5
4. CP-F10-2024, Rev 0
5. CP-F10-160, Rev 2

TECHNICAL SUPPORT ENGINEER

DATE

REVIEW AND APPROVAL

DATE

PREVENTIVE MAINTENANCE REQUIREMENTS

Item(s): Control Rod Drive Breakers

X Q ___ NQEquipment Number(s): 1B-91A, C 1B-92B, D
2B-91A, C 2B-92B, D

PO No: M-1.5

Storage Level: A

Location(s): Auxiliary Building, El 674, Rooms 700 & 701

DESCRIPTION

Requirements:

Note: Refer to CP-F10-2024 for temperature and humidity requirements.

1. Yearly check integrity of cover taking care to keep seams closed (such as with duct tape). Covers need not be airtight, however, as dehumidified air shall be allowed to infiltrate equipment at or near floor level.

References:

1. CP-F10-2024
2. CP-F10-160, Rev 2
3. ENFC-1

TECHNICAL SUPPORT ENGINEER

DATE

REVIEW AND APPROVAL

DATE

QUALITY ASSURANCE DIVISION FORM QAD-1

RECORD COPY

NONCONFORMANCE REPORT

15 NCR NO. <i>Q-00040</i>	17 REV <i>0</i>
16 DATE ISSUED <i>11/12/85</i>	
18 PAGE <i>1</i> OF <i>2</i>	

1 ITEM LOCATION
Auxiliary bldg. , 568' Elevation, Rooms 25 and 27

2 DRAWING OR PART NO. AND REV. 1VDHR-102; 1VDHR-144	3 PART NAME Drain Valves	4 SERIAL NO. NA
--------------------------------------------------------	-----------------------------	--------------------

5 ITEM DESCRIPTION
Drain Valve

6 ITEM STARTUP SYSTEM NO. 1-DHR	7 REFERENCE DOCUMENT WO-22500035	8 ASME A.N.I. REQUIRED NA
------------------------------------	-------------------------------------	------------------------------

9 INSPECTION PLAN WO-500035	REV 1	10 ACTION ORGANIZATION Operations & Maintenance
--------------------------------	----------	----------------------------------------------------

11 ACTIVITY HOLD REQUIRED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	ACTIVITY HOLD ORDER NO. NA
---------------------------------------------------------------------------------------------------	-------------------------------

12 REQUIREMENT
WO-22500035 step 01 states:
"Verify that Unit #1 DHR system is dry by opening system vent and drain valves. Blow out with instrument air if moisture is present."

13 NONCONFORMANCE
Contrary to the above upon checking drain valves 1VDHR-102 on 3"-1FCE-28 and 1VDHR-144 on 12"-1GCB-25 both pipe lines were found to have water in them.

14 NCR ORIGINATED BY <i>D. A. Nott</i> D A Nott	DATE <i>11/12/85</i>
-------------------------------------------------------	-------------------------

19 HOLD TAG APPLIED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	20 LOCATION OF HOLD TAGS OR SEGREGATED AREA NA
ITEMS SEGREGATED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	

21 NEED TO REVIEW FOR REPORTABILITY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	23 TREND CODE <i>1</i>	24 NCR REVIEWED BY <i>John L. Wood Jr</i> DATE <i>11/12/85</i>
---------------------------------------------------------------------------------------------------------	---------------------------	-------------------------------------------------------------------

22 DETERMINED TO BE REPORTABLE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <i>NA</i>	25 SECTION HEAD, ASSURANCE ENGINEERING <i>NA</i>
-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

This copy of the original and the original of the disposition & close out is on the back of this copy.
11/14/85
2/3/86

6 CAUSE ITEM 1 - 3" - IFCB-28 - the cause of this water is suspected of being condensation in the line.

Item 2 - 12" - IFCB-25 - this water was trapped in the line by a plastic Red plug. The operator opened the drain and removed the water that had leaked by the plug and thought the line was drained.

27 PROCESS CORRECTIVE ACTION REQUIRED YES NO

28 RECOMMENDED DISPOSITION

REWORK SCRAP/REJECT REPAIR* USE AS IS*

*REQUIRES TECHNICAL JUSTIFICATION ATTACHED

29 CONDITIONAL RELEASE NEEDED YES NO CR NO:

30 ADDITIONAL INFORMATION

31 DISPOSITION CONCURRENCE

Steve Blum 1/30/86
ACTION ORGANIZATION DATE
R. Budrick 1/30/86
ENGINEERING DATE

W.A. Natt 1/30/86
QAD CONCURRENCE DATE
A.N.I. (ASME) IF REQUIRED

32 DISPOSITION ACTION TAKEN

Item 1 - See JT Christy / R. Budrick letter concerning condensation in piping.
Item 2 - The pipe plug was removed and the piping drained and dried, and the valve closed.

33 METHOD OF DISPOSITION ACTION VERIFICATION

Reviewed letter
Verified piping drained
RESULTS OF DISPOSITION ACTION VERIFICATION

ACCEPTABLE UNACCEPTABLE
IF UNACCEPTABLE, REFERENCE SUPERSEDING NCR NUMBER _____

34 NCR CLOSED BY

W.A. Natt 1/31/86
QAD DATE
N/R
A.N.I. (ASME) DATE
IF REQUIRED

TO H P Leonard

DATE 11/20/85

cc RG Budrick
JT Christy

SUBJECT Inspection of
Drained & Dried Systems

MESSAGE If the volume of water collected when a drain valve is opened is less than or equal to the volume of the drain line between the valve and the tank/pipe, the water may be considered to be condensation of moisture in the air trapped in the tank/pipe and is not an indication of improper draining. This does not apply to those cases where a pipe system is incomplete and one of the main system valves is opened to check for water.

The attachments give the capacity in pounds of water per linear foot of pipe ~~of~~ of various diameters, and ~~REPLY~~ the exterior pipe diameter for identification of nominal pipe size.

RE Whitaker 11/20/85

SIGNED

DATE 11/20/85

NONCONFORMANCE REPORT

1 ITEM LOCATION
584' elev. Aux. bldg - Room 130 and 131

2 DRAWING OR PART NO. AND REV. 1P-232A/B and 2P-232A/B	3 PART NAME Pump & motor protective closure	4 SERIAL NO. NA
-----------------------------------------------------------	------------------------------------------------	--------------------

5 ITEM DESCRIPTION
Recirc. Air Cooling Unit Booster Pumps

6 ITEM STARTUP SYSTEM NO. NA	7 REFERENCE DOCUMENT MWO #22500536 and MWO #22500535	8 ASME A.N.I. REQUIRED NA
---------------------------------	------------------------------------------------------------	------------------------------

INSPECTION PLAN W.O. - 500536 M.S. - 500535	REV 0 0	10 ACTION ORGANIZATION OM&C Department
---------------------------------------------------	---------------	-------------------------------------------

11 ACTIVITY HOLD REQUIRED: <u> </u> YES <u> </u> NO	ACTIVITY HOLD ORDER NO. NA
------------------------------------------------------------	-------------------------------

12 REQUIREMENT
Step 5 of MWO #22500535 and MWO #22500536 requires the protective closure to be sealed up as part of the layup for the pumps/motors. This W.O. was signed by Maintenance as being completed and QAD was notified on 10/15/85 that the post process inspection could be accomplished.

13 NONCONFORMANCE
Both pump/motor enclosures for 1P-232A/B and 2P-232A/B are not sealed up as required. Protective visqueen and/or rubber is not secured, and the lids are not secured or sealed.

NOTE 1: Motors on W.O. #22500535 have some fungi formed on them.
11/24/85 & HUMIDITY

NOTE 2: The ~~PH~~ indicators have turned white on all four units.
PH

14 NCR ORIGINATED BY
J. L. Zimmerman 11/22/85
DATE

19 HOLD TAG APPLIED <u> </u> YES <u>X</u> NO	20 LOCATION OF HOLD TAGS OR SEGREGATED AREA Same as #1
ITEMS SEGREGATED <u> </u> YES <u>X</u> NO	

21 NEED TO REVIEW FOR REPORTABILITY <u> </u> YES <u>X</u> NO	23 TREND CODE 5	24 NCR REVIEWED BY <i>John G. Wood Jr</i> DATE 11/22/85
----------------------------------------------------------------	--------------------	------------------------------------------------------------

22 DETERMINED TO BE REPORTABLE <u> </u> YES <u> </u> NO <i>NA</i>	25 SECTION HEAD, ASSURANCE ENGINEERING <i>NA</i>
--------------------------------------------------------------------------	-----------------------------------------------------

During layup operations, piping systems are drained and dried. Water was inadvertently drained on 2P-232 A&B pump and motors making the temporary enclosures a hindrance to proper layup. The primary function of the wooden enclosures was to avoid damage during construction. They are no longer needed and are not required by the layup or preventative maintenance program.

In the performance of Work Orders 22500535 and 22500536 the repairmen did not recover the pumps/motors because of the wet conditions found. This should have been (see attached)

27 PROCESS CORRECTIVE ACTION REQUIRED YES NO

28 RECOMMENDED DISPOSITION

REWORK SCRAP/REJECT REPAIR* USE AS IS*

*REQUIRES TECHNICAL JUSTIFICATION ATTACHED

29 CONDITIONAL RELEASE NEEDED YES NO CR NO:

30 ADDITIONAL INFORMATION

FOR INFORMATION ONLY

31 DISPOSITION CONCURRENCE

<u>Robert S. McCann</u>	<u>12/6/85</u>	<u>John L. Wood Jr.</u>	<u>12/16/85</u>
ACTION ORGANIZATION	DATE	QAD CONCURRENCE	DATE
<u>G. S. Suck</u>	<u>12/16/85</u>		
ENGINEERING	DATE	A.N.I. (ASME) IF REQUIRED	

32 DISPOSITION ACTION TAKEN

Corrective work orders 22501005 and 22501008 have been written to remove the enclosures, wipe clean 1/2P-232 A&B pumps/motors and reapply Techyl 502C where necessary on the machine surfaces. The repairmen have been instructed to document the work they perform in the summary of work performed section of work orders and supervisors have been instructed they must physically check jobs prior to signing the Admin. Review block of work orders.

33 METHOD OF DISPOSITION ACTION VERIFICATION

Inspected motors 1/2P-232 A&B and associated pumps for completion of work described in 32.

ACCEPTABLE UNACCEPTABLE
IF UNACCEPTABLE, REFERENCE SUPERSEDING NCR NUMBER _____

34 NCR CLOSED BY

H.A. Matt 1/8/86
QAD DATE
n/r
A.N.I. (ASME) DATE
IF REQUIRED

NONCONFORMANCE REPORT
CONTINUATION SHEET

NCR NO.	REV.
Q-00042	0
DATE ISSUED	
11-22-85	
PAGE <u>3</u> OF <u>3</u>	

26. documented in the summary of work performed section of the work orders
instead of being signed off as completed.

FOR
REVISION
11/22/85

NONCONFORMANCE REPORT

15 NCR NO. Q-00050 17 REV 1 ^{RIS}
 16 DATE ISSUED 12/16/85
 18 PAGE 1 OF 2

1 ITEM LOCATION Warehouse II		
2 DRAWING OR PART NO. AND REV. Cat. # 7700-1-109 Delaval	3 PART NAME NA	4 SERIAL NO. NA
5 ITEM DESCRIPTION Major Repair Kit		
6 ITEM STARTUP SYSTEM NO. NA	7 REFERENCE DOCUMENT P.O. 5009-8131-QA	8 ASME A.N.I. REQUIRED NA
9 INSPECTION PLAN RE-00027	REV 1	10 ACTION ORGANIZATION Site Engineering
11 ACTIVITY HOLD REQUIRED: <u> </u> YES <u> X </u> NO	ACTIVITY HOLD ORDER NO. NA	
12 REQUIREMENT P.O. 5009-8131QA requires Major Repair kits to contain 1 each of the following item: 002, 004, 005, 006, 007, 008, 009, 011, 013, 015, 019, 021, 023, 024, 025, 046, 047 and 051.		
13 NONCONFORMANCE Contrary to the P.O. the Major Repair kits were each missing the following items: 002, 009, 019, 046, 047 and 051.		
14 NCR ORIGINATED BY <u>[Signature]</u> <u>12/16/85</u> F J Lounds DATE		
19 HOLD TAG APPLIED <u> X </u> YES <u> </u> NO ITEMS SEGREGATED <u> X </u> YES <u> </u> NO	20 LOCATION OF HOLD TAGS OR SEGREGATED AREA <u>On items</u>	
21 NEED TO REVIEW FOR REPORTABILITY <u> </u> YES <u> X </u> NO	23 TREND CODE <u>NA</u>	24 NCR REVIEWED BY <u>John L. Wood</u> DATE <u>[Signature]</u> <u>12/16/85</u>
22 DETERMINED TO BE REPORTABLE <u> </u> YES <u> </u> NO <u>NA</u>	25 SECTION HEAD, ASSURANCE ENGINEERING	

MISSING PARTS NOT RECEIVED WITH KIT SHIPMENT

27 PROCESS CORRECTIVE ACTION REQUIRED YES NO

28 RECOMMENDED DISPOSITION REWORK SCRAP/REJECT REPAIR* USE AS IS*

*REQUIRES TECHNICAL JUSTIFICATION ATTACHED

29 CONDITIONAL RELEASE NEEDED YES NO CR NO:

30 ADDITIONAL INFORMATION

TWO KITS ARE INVOLVED AT A COST OF \$2080.00 EACH COMPLETE KIT. THERE IS NO COST BREAKDOWN ON INDIVIDUAL COMPONENTS OF THE KIT. TOTAL COST \$4160.00

31 DISPOSITION CONCURRENCE [Signatures and Dates: 11/9/86, 12/20/85, 1/9/86, 12/20/85]

32 DISPOSITION ACTION TAKEN

Contract Under to Supply missing components of each kit. (Purchasing Dept) dated 1/9/86. THESE MISSING COMPONENTS ARE NOT NEEDED DURING THE 50M PHASE OF THE MEC. IF NECESSARY, AT THE TIME OF STARTUP THESE GASKETS, O-RINGS, NUTS & BOLTS & ONE HOUSING CAN BE RE-ORDERED. PAYMENT HAS BEEN MADE & THIS P.O CAN BE CLOSED. USE AS IS.

33 METHOD OF DISPOSITION ACTION VERIFICATION DISPOSITION REVIEWED

RESULTS OF DISPOSITION ACTION VERIFICATION

ACCEPTABLE UNACCEPTABLE IF UNACCEPTABLE, REFERENCE SUPERSEDING NCR NUMBER

34 NCR CLOSED BY

Robert L Bishop 1-9-86 QAD DATE

A.N.I. (ASME) IF REQUIRED DATE

QUALITY ASSURANCE DIVISION FORM QAD-1

NONCONFORMANCE REPORT

15 NCR NO. Q-00052 17 REV 1/28/86 18 PAGE 1 OF 2

1 ITEM LOCATION Auxiliary Bldg., Unit #1, 599' and 584' elevation

2 DRAWING OR PART NO. AND REV. M-403 Sh 2A (Q) revision 8 M-410 (Q) revision 15 3 PART NAME 1FCB-16 1FCB-21 4 SERIAL NO. NA

5 ITEM DESCRIPTION 6" - 1FCB-16 and 6" - 1FCB-21 are sections of S/S pipe in the Make-up and Purification Systems.

6 ITEM STARTUP SYSTEM NO. 1-MUP 7 REFERENCE DOCUMENT WO-22400853 8 ASME A.N.I. REQUIRED yes

9 INSPECTION PLAN REV WO-400853 3 10 ACTION ORGANIZATION O&M Division

11 ACTIVITY HOLD REQUIRED: YES NO x NO ACTIVITY HOLD ORDER NO. NA

12 REQUIREMENT WO-22400853 Step #2: "If water is evident at any drain, blow that portion of piping dry with instrument air, then close the drain."

13 NONCONFORMANCE Drain valve 1VMUP406 shown in zone E-2 of Dwg. M-410 (Q) revision 15 was not opened to check for the presence of water. Pipeline section 1FCB-21 to which this valve is attached and that portion of 1FCB-16 up to and including check valve 1CKMUP050B shown in zone A-4 of Dwg. M-403 Sh 2A (Q) revision 8 was found full of water. This is approximately 30' of 6" pipes. The water in this line is also the subject of open NCR 4879 dated 3/7/83. NOTE: Check valve 1CKMUP050B has no cover installed the top is covered with tape.

14 NCR ORIGINATED BY D A Nott 1/7/86 DATE

19 HOLD TAG APPLIED YES NO x NO ITEMS SEGREGATED YES NO x NO 20 LOCATION OF HOLD TAGS OR SEGREGATED AREA NA

21 NEED TO REVIEW FOR REPORTABILITY YES NO x NO 23 TREND CODE 24 NCR REVIEWED BY JOHN L. WOOD JR. DATE 1/7/86

22 DETERMINED TO BE REPORTABLE YES NO NA 25 SECTION HEAD, ASSURANCE ENGINEERING NA

26 CAUSE

35 PAGE 2 OF 2

Item 1 - Possible cause of the water in line IFCB-16 is due to a system boundary valve between BUWT/RBS and the MUP system being opened, to check for water in this line (IVRBS0458)

27 PROCESS CORRECTIVE ACTION REQUIRED YES NO

28 RECOMMENDED DISPOSITION

REWORK SCRAP/REJECT REPAIR* USE AS IS*

*REQUIRES TECHNICAL JUSTIFICATION ATTACHED

29 CONDITIONAL RELEASE NEEDED YES NO CR NO:

30 ADDITIONAL INFORMATION

31 DISPOSITION CONCURRENCE

Steve Glenn 1/31/86
ACTION ORGANIZATION DATE

W.L. Nott 1/31/86
QAD CONCURRENCE DATE

ENGINEERING

DATE

A.N.I. (ASME) IF REQUIRED

32 DISPOSITION ACTION TAKEN

ITEM 1 - The line was drained using IVDHR 128 and 129. The check valve ICK MUP0508 was propped open to facilitate drying of the line. The drain valves were then closed.

33 METHOD OF DISPOSITION ACTION VERIFICATION

Verified item 1 of block 32.

RESULTS OF DISPOSITION ACTION VERIFICATION

ACCEPTABLE UNACCEPTABLE
IF UNACCEPTABLE, REFERENCE SUPERSEDING NCR NUMBER _____

34 NCR CLOSED BY

W.L. Nott 1/31/86
QAD DATE

A.N.I. (ASME)
IF REQUIRED

DATE

QUALITY
ASSURANCE
DIVISION
FORM QAD-1

NONCONFORMANCE REPORT

15 NCR NO. Q-00055	17 REV 0
16 DATE ISSUED 1/23/86	
18 PAGE <u>1</u> OF <u>2</u>	

1 ITEM LOCATION Warehouse #2 QA Hold Area		
2 DRAWING OR PART NO. AND REV. V109B (210920)	3 PART NAME SCI Control Board Card	4 SERIAL NO. S/N #1346 and S/N #1337
5 ITEM DESCRIPTION Card, Solid State Controls Inc., Control Board for Model BCS-12-300 Battery Charger		
6 ITEM STARTUP SYSTEM NO. NA	7 REFERENCE DOCUMENT P.O. 2001-9961-Q	8 ASME A.N.I. REQUIRED NA
9 INSPECTION PLAN RE-00030	REV 0	10 ACTION ORGANIZATION Material Services
11 ACTIVITY HOLD REQUIRED: <u> </u> YES <u> X </u> NO	ACTIVITY HOLD ORDER NO. NA	
12 REQUIREMENT P.O. 2001-9961-Q with CPC Specification AC (Quality Assurance) requires a Certificate of Compliance be received with each shipment of material on this order.		
13 NONCONFORMANCE During receipt inspection of referenced item, on 1/22/86, a Certificate of Compliance was unavailable as required.		
14 NCR ORIGINATED BY <i>J. Zimmerman</i> J. Zimmerman 1/23/86 DATE		
19 HOLD TAG APPLIED <u> </u> YES <u> X </u> NO ITEMS SEGREGATED <u> X </u> YES <u> </u> NO	20 LOCATION OF HOLD TAGS OR SEGREGATED AREA Warehouse #2 QA Hold Area	
21 NEED TO REVIEW FOR REPORTABILITY <u> </u> YES <u> X </u> NO	23 TREND CODE 4	24 NCR REVIEWED BY <i>John L Wood Jr</i> DATE <i>1/23/86</i>
22 DETERMINED TO BE REPORTABLE <u> </u> YES <u> </u> NO <i>NA</i>	25 SECTION HEAD, ASSURANCE ENGINEERING <i>NA</i>	

The vendor, Solidstate Controls, Inc. did not comply with the purchase order requirement to provide a certificate of Compliance with the component. Processing of the component upon receipt by Material Services was conducted in accordance with procedural requirements.

27 PROCESS CORRECTIVE ACTION REQUIRED YES NO

28 RECOMMENDED DISPOSITION

REWORK SCRAP/REJECT REPAIR* USE AS IS*

*REQUIRES TECHNICAL JUSTIFICATION ATTACHED

29 CONDITIONAL RELEASE NEEDED YES NO CR NO:

30 ADDITIONAL INFORMATION

Nonconforming item will be used as an emergency measure to restore station battery bank to required capacity.

[Signature] 1/23/86

31 DISPOSITION CONCURRENCE

[Signature] 1-24-86
ACTION ORGANIZATION DATE

[Signature] 1-28-86
CONCURRENCE DATE

[Signature] 1/28/86
ENGINEERING DATE

A.N.I. (ASME) IF REQUIRED

32 DISPOSITION ACTION TAKEN

The vendor was contacted and a certificate of compliance for the component was sent to CPLC (copy attached) The C of C has been placed in the purchase order file.

33 METHOD OF DISPOSITION ACTION VERIFICATION

Review CoC documentation

RESULTS OF DISPOSITION ACTION VERIFICATION

ACCEPTABLE UNACCEPTABLE
IF UNACCEPTABLE, REFERENCE SUPERSEDING NCR NUMBER _____

34 NCR CLOSED BY

[Signature] 1-28-86
DATE

A.N.I. (ASME) DATE
IF REQUIRED

CERTIFICATE OF CONFORMANCE

DATE: January 23, 1986

TO: Consumers Power Company
Midland Plant Operations

REFERENCE: PURCHASE ORDER NO.: 20019961
SCI JOB NO.: 27294

SOLIDSTATE CONTROLS, INCORPORATED HEREBY CERTIFIES THAT THE COMPONENT PARTS, LISTED BELOW, FURNISHED PURSUANT TO THE ABOVE REFERENCED PURCHASE ORDER ARE IN FULL COMPLIANCE WITH PROVISIONS OF SAID PURCHASE ORDER AND SOLIDSTATE CONTROLS, INCORPORATED QUALITY ASSURANCE AND WORKMANSHIP STANDARDS. SOLIDSTATE CONTROLS, INCORPORATED FURTHER CERTIFIES THAT THE ITEMS FURNISHED ARE QUALIFIED IN ACCORDANCE WITH THE ORIGINAL EQUIPMENT PURCHASE ORDER BY BEING THE SAME PART NUMBER AND MANUFACTURER, OR SUBSTITUTED WITH PART(S) OF EQUAL OR SUPERIOR CONFIGURATION, MATERIAL AND QUALITY, MADE TO PERFORM THE SAME SERVICE AS CORRESPONDING ITEMS FURNISHED WITH THE ORIGINAL EQUIPMENT. THE SUBSTITUTE PARTS ARE COMMERCIAL GRADE WITH NO QUALIFICATION IMPLIED EXCEPT FOR THEIR SIMILARITY TO PARTS AS FURNISHED WITH THE ORIGINAL EQUIPMENT.

SOLIDSTATE CONTROLS, INC.

Richard J. McClung
RICHARD J. MCCLUNG
QUALITY ASSURANCE

P.O. ITEM NO.	QUANTITY	DESCRIPTION	SCI PART NO.
1	2	PC Board, Battery Charger 130V	210920

NONCONFORMANCE REPORT

15 NCR NO. <u>Q-00036</u>	17 REV <u>0</u>
16 DATE ISSUED <u>1/31/86</u>	
18 PAGE <u>1</u> OF <u>3</u>	

1 ITEM LOCATION
Midland Energy Center

2 DRAWING OR PART NO. AND REV. M457 Sh 3A(Q) Revision 12 M457 Sh 3B(Q) Revision 15	3 PART NAME None	4 SERIAL NO. None
------------------------------------------------------------------------------------------	---------------------	----------------------

5 ITEM DESCRIPTION
Chilled water-safeguards equipment-unit 2

6 ITEM STARTUP SYSTEM NO. SCH	7 REFERENCE DOCUMENT WO 22500101	8 ASME A.N.I. REQUIRED NA
----------------------------------	-------------------------------------	------------------------------

9 INSPECTION PLAN WO-500101-01	REV 4	10 ACTION ORGANIZATION Operation department
-----------------------------------	----------	------------------------------------------------

11 ACTIVITY HOLD REQUIRED: <u> </u> YES <u> X </u> NO	ACTIVITY HOLD ORDER NO. NA
--------------------------------------------------------------	-------------------------------

12 REQUIREMENT
Layup work order #22500101 and job plan step #10 required the system to be isolated by shutting all vents and drains and capping and taping all other openings.

13 NONCONFORMANCE
Inspection of Post Process activities to verify accomplishment of Block 12 requirements generated list of open vent, drain and instrument valves that were to be closed. The Operations and Quality Assurance Departments jointly inspected all open valves and at the same time, the valves were closed and openings taped shut by an operator. This NCR is to document the original non-conformance condition and is issued closed. No further action necessary.

14 NCR ORIGINATED BY
[Signature]
J. Zimmerman
DATE 1/30/86

TOTAL OF 56 VALVES OUT OF APPROX 300 V/P VALVES INSTALLED.

19 HOLD TAG APPLIED <u> </u> YES <u> X </u> NO	20 LOCATION OF HOLD TAGS OR SEGREGATED AREA NA
ITEMS SEGREGATED <u> </u> YES <u> X </u> NO	

21 NEED TO REVIEW FOR REPORTABILITY <u> </u> YES <u> X </u> NO	23 TREND CODE 1	NCR REVIEWED BY <u>[Signature]</u> DATE <u>1-30-86</u>
--------------------------------------------------------------------	--------------------	--------------------------------------------------------------

22 DETERMINED TO BE REPORTABLE <u> </u> YES <u> </u> NO	25 SECTION HEAD, ASSURANCE ENGINEERING
----------------------------------------------------------------	----------------------------------------

26 CAUSE

35 PAGE 2 OF 3

AT THE TIME THE LAY-UP WAS COMPLETED, THE DIRECTIONS IN THE WORK ORDER WERE NOT CLEAR, RESULTING IN THE INTENT OF THE WORK ORDER NOT BEING MET.

27 PROCESS CORRECTIVE ACTION REQUIRED

YES

NO

28 RECOMMENDED DISPOSITION

REWORK

SCRAP/REJECT

REPAIR*

USE AS IS*

*REQUIRES TECHNICAL JUSTIFICATION ATTACHED

29 CONDITIONAL RELEASE NEEDED

YES

NO

CR NO:

30 ADDITIONAL INFORMATION

31 DISPOSITION CONCURRENCE

Birk A. Swenson 1/31/86
ACTION ORGANIZATION DATE

[Signature] 1/31/86
QAD CONCURRENCE DATE

ENGINEERING DATE

A.N.I. (ASME) IF REQUIRED

32 DISPOSITION ACTION TAKEN

Joint inspection by OPS and QA with operator closing open valves.

33 METHOD OF DISPOSITION ACTION VERIFICATION

RESULTS OF DISPOSITION ACTION VERIFICATION

ACCEPTABLE UNACCEPTABLE
IF UNACCEPTABLE, REFERENCE SUPERSEDING NCR NUMBER _____

34 NCR CLOSED BY

JL Emerson

[Signature] 1/31/86
QAD DATE

A.N.I. (ASME) DATE
IF REQUIRED

NONCONFORMANCE REPORT
CONTINUATION SHEET

P&ID M457 SH3A (Q) REV 12

DRAIN VALVE:		VENT VALVE:		INSTRUMENT
2 VSCH 188	2VSCH 046	2VSCH 378	2VSCH 303	2VSCH 189
" " 193	" " 252	" " 371	" " 299	" " 190
" " 192	" " 318	" " 209	OVSCH 357	" " 196
" " 191	" " 300	" " 203		" " 197
" " 198	" " 245	" " 353		" " 195
" " 292	OVSCH 356	" " 351		" " 219
" " 312	OVSCH 232	" " 347		" " 269
	OVSCH 290	" " 265		" " 229
				" " 260
				" " 263
				" " 261

P&ID M457 SH3B (Q) REV 15

DRAIN VALVE:	VENT VALVE:	INSTRUMENT	LINE VALVE USED AT
2VSCH 009B	2VSCH 118	2VSCH 291C	A "CLASS" BREAK
" " 220	" " 233	2VSCH 120A	2VSCH 109A
" " 003A	" " 119C	2VSCH 121B	
" " 123	" " 119A	VENT VALVES - 2VSCH 122.D	
" " 325	" " 122A	2VSCH 126	

— 245-5711 B, C AND D (Y-strainer) NEEDS TAPED.

INSTRUMENT VALVES - 2VSCH 137A
2VSCH 138A
2VSCH 291A