

DmB

50-329
50-330

PRINCIPAL STAFF	
RA	PRP
D/RA	DE
A/RA	DRMSP
RC	DRMA
PAO	SCS
SGA	ML
ENF	File

orig 3

DOCUMENTATION TRANSMITTAL

To: Stone & Webster - CIO
PO Box 1963
Midland, MI 48640

Transmittal No: CIO- 0068
Date: June 6, 1984

Attention: George H Hanne

The documentation listed below is provided herewith, X was previously provided on 6-6-84 ; as requested by George Hanne .

Documentation Description: Nonconformance Reports -
C-01539
M01-8-2-415
C-01018
4778

CIO has X has not been placed on routine transmittal for the described documentation.

George Hanne
Signature

- CC RJCook, NRC Site (w/a, unless voluminous)
- JJHarrison, NRC Region III (w/a, unless voluminous)
- DDJohnson, SMO (w/o)
- JGKeppler, NRC Region III (w/a, unless voluminous)
- BHPeck, SMO (w/o)
- NIRichel, SMO (w/o)
- RAWells, MPQAD (w/o)
- CMThompson - File 24.2 (w/a, unless voluminous)

IEO1
11
JUN 11 1984

MI0384-0001A-QL06

B406150063 B40606
PDR ADOCK 05000329
S PDR

MIDLAND PROJECT
 QUALITY ASSURANCE
 DEPARTMENT

ORIGINAL

NONCONFORMANCE REPORT

16 NCR NO. C-01539 S.A.
 17 DATE ISSUED ~~3-12-84~~ 3-13-84 18 REV 0
 19 PAGE 1 OF 3⁴ ADD 4-11-84

1 ITEM LOCATION

MODULE 120, ROOM 113, AREA 120D, ELEV. 584'

2 ITEM DRAWING/PART NO.

J-278-2⁽¹⁾-5
 J-700 REV. 40

3 ITEM PART NAME

ZLSH9411

4 ITEM SERIAL NO.

NIA

5 ITEM DESCRIPTION

LEVEL SWITCH ZLSH 9411

6 ITEM STARTUP SYSTEM NO.

ORLN 2

7 REFERENCE DOCUMENT

SEE PAGE 3

8 ASME A.R.I. REQUIRED

YES NO

9 INSPECTION RECORD NO.

NIA

U/G NO.

NIA

REV NO.

NIA

10 RESPONSIBLE ORGANIZATION

CONSTRUCTION

11 NONCONFORMANCE DISCOVERED DURING:

POST INSPECT TURNOVER DESIGN RECEIVING CONST RELEASE FOR INSPECT
 POST TURNOVER PRE-OP TEST FINAL TURNOVER OVERINSPECT

12 REQUIREMENT

ITEM #1 J-705 REV. 20 SHOWS MOUNTING CODE FOR ZLSH 9411 AS 35 WHICH IS DRAWING 7220-J-401-4(Q)
 ITEM #2 J-3135(Q) REV. 10 SHOWS ZLSH 9411 LOCATED AT 20' E / 6.9' & 6' N/G.
 ITEM #3 a) FPE-6.000 REV. 5 ELECTRICAL INSTRUMENT CHECKLIST STATES: VERIFY INSTRUMENT ENCLOSURE AND COMPONENTS NOT DAMAGED OR CORRODED.

13 NONCONFORMANCE

ITEM #1 CONTRARY TO BLOCK 12 ZLSH 9411 HAVE BEEN INSTALLED PER VENDOR PRINT 7220-J-278-2⁽¹⁾-5 WHICH IS CODE 29.
 ITEM #2 CONTRARY TO BLOCK 12 ZLSH 9411 LOCATED AT 4'-4" E / 6.9' & 7'-10" N/G.
 ITEM #3 CONTRARY TO BLOCK 12

a) INTERCONNECTING CABLE & FLEX CONDUIT BETWEEN CONTROL BOX & SENSOR HAVE BEEN DISCONNECTED
 b) RELAY IN DE CONTROL BOX IS MISSING.

CONTINUED ON PAGE 3

14 NCR ORIGINATED BY (PERSON)

Hassan Allal-Tajer 3/12/84

15 NCR ORIGINATED BY (DISCIPLINE)

TEAM-12 ELECTRICAL

20 NUMBER OF HOLD TAGS (IF APPLIED)

ONE

21 LOCATION OF HOLD TAGS

@ ZLSH 9411

22 POTENTIAL 50.55(e)

YES NO

24 ACTION ITEM NO.

S05106

26 ITEM PRIORITY CODE NO.

3

28 NCR REVIEWED BY:

J. Miller

23 REPORTED TO MPQA MANAGER

DATE N/A

25 DISCIPLINE:

E

27 TREND CODE

ZF-90001
 DD-40004
 DD-20002

DATE:

3-13-84

CONTINUED ON REVERSE

F-2M/LA (Rev 1)

29 CAUSE

- 1) FAILURE TO MEET VENDOR REQUIREMENT
- 2) CONSTRUCTION DAMAGE

30 PROCESS CORRECTIVE ACTION

YES NO QAR NO. _____

31 RECOMMENDED DISPOSITION

REWORK SCRAP/REJECT REPAIR USE AS IS

ITEMS 3+4

ITEMS 1, 2, + 5

32 CONDITIONAL RELEASE

YES NO

31A ADDITIONAL INFORMATION ITEMS 1+2 SETPOINT IS NOT AFFECTED - USE AS IS

ITEMS 3a, b, c, d) REPAIR - RETURN TO VENDOR FOR REPAIR AND REPLACEMENT OF RELAY & REWIND FICATION

ITEM 4 - REWORK, INSTALL MINERALLACS PER E.42(0) SI. 578

ITEM 5 - REWORK, REMOVE SUPPORT AND INSTALL IT ONE FOOT WITHIN C.B.

4/16/89
N/A
4/16/89

33 DISTRIBUTION FOR ACTION

34 DISPOSITION CONCURRENCE

T. Minor 4-16-89
PROJECT FIELD ENGINEER DATE

R. Schaut 5/16/89
HPQAD CONCURRENCE DATE

N/A
PFQCE (ASME) DATE

D. Simpson
M. E. B. Peser 4/16/89
LEAD DESIGN ORG DATE

N/A
CP Co SMO (for turned over systems) DATE

N/A
PQAE (ASME) DATE
N/A
A.N.I. (ASME) DATE

35 DISPOSITION ACTION TAKEN

36 METHOD OF DISPOSITION ACTION VERIFICATION

RESULT OF DISPOSITION ACTION VERIFICATION

ACCEPTABLE UNACCEPTABLE

IF UNACCEPTABLE, REFERENCE SUPERCEDING NCR NUMBER _____

37 NCR CLOSED BY

HPQAD DATE

A.N.I. (ASME) DATE

ORIGINAL

NONCONFORMANCE REPORT
CONTINUATION SHEET

NCR NO. C-01539

DATE ISSUED 3-13-84

REV 0

PAGE 3 OF 3

BLOCK 7 CONT.

7220 - J - 705 REV. 20

7220 - J - 3135 REV. 10

7220 - J - 278 - 2⁽¹⁾ - 5 HA 3/13/84

7220 - E - 47 (Q) REV. 89

BLOCK 12 CONT.

ITEM # 4 THE MINIMUM SEPARATION DISTANCE
BETWEEN CLASS 1E CHANNELS ARE 1".

ITEM # 5 VENDOR PRINT 7220 - J - 278 - 2⁽¹⁾ - 5 STATES:
THE CONDUIT CONNECTING LEVEL SWITCH AND CONTROL BOX SHALL
BE SUPPORTED WITHIN ONE FOOT OF EACH DEVICE.

ITE HA 3/12/84

BLOCK 13 CONT.

ITEM # 3 CONT.

c) ONE ~~S~~ SCREW ON CONTROL BOX MISSING.

HA 3/12/84

d) SENSOR COVER IS DAMAGED.

ITEM # 4 LESS THAN 1" SEPARATION BETWEEN FLEX
(BETWEEN CONTROL BOX & SENSOR) AND RACEWAY 2 ECOIL EXISTS.

ITEM # 5 CONTRARY TO BLOCK 12 FLEX CONDUIT HAVE
BEEIV SVPPORTED 1'-6" FROM CONTROL BOX.

NONCONFORMANCE REPORT
CONTINUATION SHEET

NCR NO. C-01539	
DATE ISSUED 3-13-84	REV 0
PAGE 4 OF 4	

Block 31A CONTINUED

PROJECT ENGINEERING DISPOSITION IS AS FOLLOWS :

ITEM 1: "USE AS IS" - VENDOR PRINT 7220-1278-2 IS THE PROPER REFERENCE FOR INSTALLATION OF THIS INSTRUMENT. I-705(Q) HAS BEEN REVISED (DCN 29 ISSUED 4-16-84) TO SHOW MOUNTING CODE 29 FOR THIS INSTRUMENT.

ITEM 2: "USE AS IS" - THE AS-INSTALLED LOCATION OF THIS INSTRUMENT IS STILL IN THE CORRECT ROOM AND THE SETPOINT IS NOT AFFECTED. INSTRUMENT LOCATION DRAWING I-3135(Q) HAS BEEN REVISED (REV. 11 ISSUED 4-16-84) TO SHOW THE AS-INSTALLED LOCATION.

ITEM 3: "REWORK" - FIELD IS TO HAVE THE INSTRUMENT REWORKED BY THE VENDOR TO MEET REQUIREMENTS. PROJECT ENGINEERING RECOMMENDS THAT FIELD INVESTIGATE POSSIBILITY OF HAVING THE VENDOR DO REWORK ON-SITE.

ITEM 4: "REWORK" - PROJECT ENGINEERING CONCURS WITH FIELD DISPOSITION

ITEM 5: "USE AS IS" - VENDOR PRINT 7220-1279-2 REV. 6A ISSUED 3-5-84 CHANGED THE REQUIREMENT (FOR SUPPORT OF FLEX CONDUIT) TO A RECOMMENDATION. IF THE FLEX CONDUIT IS SUPPORTED ANY COMMERCIALLY AVAILABLE CLAMP MAY BE USED.

A. D. Singh
for G. S. NICH
4-16-84
W. W. / 4/16/84

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT

NONCONFORMANCE REPORT

ORIGINAL

16 NCR NO.	C-01018	
17 DATE ISSUED	1-26-84	18 REV 0
19	PAGE 1 OF 2 <i>2</i> ^{1/27/84}	

1 ITEM LOCATION
SEE PAGE 2

2 ITEM DRAWING/PART NO. 7220-J-278-2

3 ITEM PART NAME LEVEL SWITCH VENDOR FLEX SUPPORTS

4 ITEM SERIAL NO. NIA

5 ITEM DESCRIPTION "SUPPORTS" FOR VENDOR SUPPLIED FLEX CONDUIT THAT INTERCONNECTS LEVEL SWITCH SENSOR & CONTROL BOX. SEE PAGE 2 FOR INSTRUMENT NUMBERS.

6 ITEM STARTUP SYSTEM NO. ORLN 2

7 REFERENCE DOCUMENT FPE-6.000(Q), REV. 4

8 ASME A.N.I. REQUIRED YES NO

9 INSPECTION RECORD NO. NIA

LOG NO. NIA

REV NO. NIA

10 RESPONSIBLE ORGANIZATION CONSTRUCTION

11 NONCONFORMANCE DISCOVERED DURING:

DESIGN RECEIVING CONST RELEASE FOR INSPECT

POST INSPECT TURNOVER POST TURNOVER PRE-OP TEST FINAL TURNOVER OVERINSPECT

12 REQUIREMENT FPE-6.000(Q), REV. 4 SECTION 6.1.1 STATES: THE ELECTRICAL FIELD ENGINEER SHALL REVIEW THE APPLICABLE DESIGN AND VENDOR DRAWINGS TO ASCERTAIN THAT INSTALLATION DETAILS ARE COMPLETE AND CORRECT. IF NOT, AN FCR/FCN SHALL BE GENERATED FOR PROJECT ENGINEERING TO RESOLVE.

13 NONCONFORMANCE CONTRARY TO THE ABOVE: "SUPPORTS" FOR VENDOR SUPPLIED FLEX CONDUIT THAT INTERCONNECTS LEVEL SWITCH SENSOR & CONTROL BOX WERE INSTALLED WITHOUT INSTALLATION DETAIL.

14 NCR ORIGINATED BY (PERSON)
Hassan Alaf-Tajer 1/27/84

15 NCR ORIGINATED BY (DISCIPLINE)
TEAM 12 ELECTRICAL

20 NUMBER OF HOLD TAGS (IF APPLIED) 60

21 LOCATION OF HOLD TAGS ^{Three} see Page Two D.O. 1-27-84

22 POTENTIAL 50.55(e) YES NO

24 ACTION ITEM NO. S04373

26 ITEM PRIORITY CODE NO. 3

28 NCR REVIEWED BY: JM Miller

23 REPORTED TO MPQA MANAGER DATE N/A

25 DISCIPLINE: I

27 TREND CODE B-9

DATE: 1-27-84

29 CAUSE

FAILURE TO FOLLOW PROCEDURE

30 PROCESS CORRECTIVE ACTION

YES NO QAR NO. _____

31 RECOMMENDED DISPOSITION

REWORK SCRAP/REJECT REPAIR USE AS IS

32 CONDITIONAL RELEASE

YES NO

31A ADDITIONAL INFORMATION USE AS IS, VENDOR PRINT 7220-J 278-2 HAS BEEN REVISED WHICH DELETES THE REQUIREMENT FOR SUPPORTING. THE VENDOR SUPPLIED FLEX CONDUIT W/ SUPPORT PROVIDED ANY COMMERCIALY AVAILABLE CLAMPS MAY BE USED (REFERENCE! REFER TO PROJECT ENGINEERING REMARKS IN FCR J-1118)

MASSON PAUL-TAJER 4/10/84
LR PL 4/10/84

33 DISTRIBUTION FOR ACTION

PROJECT ENGG - I.E.C

34 DISPOSITION CONCURRENCE

J.T. Rollins for J. Williams 4-20-84
PROJECT FIELD ENGINEER DATE

NPOAD CONCURRENCE DATE

PFQCE (ASME) DATE

D.D. Simpson 4/20/84
for E.B. Poser
LEAD DESIGN ORG DATE

CP Co SMO (for turned over systems) DATE

POAE (ASME) DATE

A.N.I. (ASME) DATE

35 DISPOSITION ACTION TAKEN

36 METHOD OF DISPOSITION ACTION VERIFICATION

RESULT OF DISPOSITION ACTION VERIFICATION

ACCEPTABLE UNACCEPTABLE

IF UNACCEPTABLE, REFERENCE SUPERCEDING NCR NUMBER _____

37 NCR CLOSED BY

NPOAD DATE

A.N.I. (ASME) DATE

NONCONFORMANCE REPORT
CONTINUATION SHEET

NCR NO.

C-01018

DATE ISSUED

1-26-84

REV

0

PAGE 4 OF 4

BLOCK 31A CONTINUED)

PROJECT ENGINEERING DISPOSITION IS "USE AS IS." VENDOR PAINT
7220-I278-2 REV. DB, ISSUED 3-5-84, CHANGED THE REQUIREMENT
(FOR SUPPORTING THE VENDOR-SUPPLIED FLEX CONDUIT) TO A RECOMMENDATION
ONLY. IF THE FLEX CONDUIT IS SUPPORTED, ANY COMMERCIALY
AVAILABLE CLAMP MAY BE USED. THERE IS NO DESIGN REQUIREMENT
FOR INSTALLATION OF SUPPORTS ON THESE FLEX CONDUITS.

NUL

A. D. DeGuzman
for G. SINGH
1-20-84



Consumers
Power
Company

109082

General Offices: 212 West Michigan Avenue, Jackson, Michigan 49201 • (517) 788-0660

March 18, 1983

Mr E M Hughes
Ann Arbor Project Engineer
Bechtel Power Corporation
777 East Eisenhower Parkway
PO Box 1000
Ann Arbor, MI 48106

MIDLAND PROJECT
ENVIRONMENTAL QUALIFICATION OF EQUIPMENT
CONSUMERS RESPONSIBILITIES
FILE B3.11.4 SERIAL 21721

On February 18, 1983, a meeting was held between representatives from Bechtel and Consumers Power Company (CPCo) to discuss expansion of CPCo involvement in equipment qualification. It was decided that CPCo will assume responsibility for the programs listed below, which are currently under Bechtel's scope. The assumption of this responsibility commits CPCo to : (1) funding and administering the qualification test program, and (2) writing the TRE and providing Bechtel the information for completion of the EEQs and EQC. CPCo (R C Bauman) will also assume responsibility for the equipment qualification NCRs which apply to these programs. Bechtel will continue to provide the completed CDES's.

Qualification Programs Transferred to CPCo Responsibility

- (1) F002A - States Terminal Blocks (Auxiliary Building only)
- (2) F002B - GE Terminal Blocks (Auxiliary Building)
- (3) J278 - Room Water Level Switches
- (4) M349A - Room Thermostats
- (5) Miscellaneous equipment in J-Boxes (pending Bechtel identification of equipment and location)
- (6) J256 - Target Rock Solenoid Valves - MSLE qualification information only

R C Bauman
R C Bauman

Design Production Manager

RCB/PWJ/mad

CC DF Lewis



**Consumers
Power
Company**

109082

General Offices: 212 West Michigan Avenue, Jackson, Michigan 49201 • (517) 788-0550

March 18, 1983

Mr E M Hughes
Ann Arbor Project Engineer
Bechtel Power Corporation
777 East Eisenhower Parkway
PO Box 1000
Ann Arbor, MI 48106

MIDLAND PROJECT
ENVIRONMENTAL QUALIFICATION OF EQUIPMENT
CONSUMERS RESPONSIBILITIES
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- (6) J256 - Target Rock Solenoid Valves - MSLB qualification information only

R C Bauman
for

R C Bauman
Design Production Manager

RCB/PWJ/mad

CG DF Lewis



NONCONFORMANCE REPORT

PROJECTS, ENGINEERING AND CONSTRUCTION

1. NCR NUMBER:
M01-8-2-415 *DEK*

START-UP SYSTEM: ORLN	3. PRIORITY CODE: 05	4. TREND CODE: M-6	5. ACTION ITEM NO: A4420
PROJECT: MIDLAND PROJECT	7. NONCONFORMING PART NO: See No. 17 below	8. NONCONFORMING PART NAME: H1 and H1-HI level switches	9. DATE ISSUED: 11/2/82
NONCONFORMING PART NA	11. RESPONSIBLE ORGANIZATION: Project Engineering	12. LOCATION IN PLANT: See No. 17 below	13. DATE OF REVISION:

DISTRIBUTION:

M.L. Curland*
E.M. Hughes

R.C. Sauman P.W. Jacobsen
W.R. Bird M.W. Kirkland
J.E. Brunner D.F. Lewis
R.J. Burg B.W. Margaglio
J.W. Cook D.B. Miller
M.A. Dietrich J.A. Rutgers
G.R. Eagle C.T. Springer
W.D. Greenwell D.A. Taggart
R.C. Hoilar R.A. Wells
J.A. Horsch J.L. Wood
M.E. Jackowski J.J. Zabritski

FILE NUMBER: D8.2

16. REQUIREMENT:
FSAR Section 3.11 states: "safety-related equipment must be capable of maintaining functional operability under conditions postulated to occur during its installed life." NUREG 0588 defines the detailed requirements for which safety-related equipment must be qualified.

17. NONCONFORMANCE:
Vendor (Vitro) has not adequately tested to required temperature and submergence conditions or confirmed test results. Therefore, level switches could not be qualified per NUREG 0588.

(See page 2 for Item ID Nos. and Locations.)

18. RECOMMENDED PART CORRECTIVE ACTION:	As identified in Equipment Qualification Package J278A, rev. 0, 10/19/82, retest listed items per NUREG 0588.		
ENGINEERING DISPOSITION REQ	YES	NO	
Q-LIST EQUIP. INVOLVED?	X		
PROCESS CA REQ? (SEE BACK)		X	
HOLD TAGS APPLIED?	*		
23. LOCATION OF TAGS:	*MPQAD (Site) to confirm required tagging		
25. REPORTED BY:	NA	26. REPORTED TO:	NA
27. DATE OF REPORT:	NA	28. TIME OF REPORT:	NA

29. NCR ORIGINATED BY: *C.T. Springer 11/2/82*

30. WRITTEN REPLY REQUIRED: March 31, 1983

31. SUPERVISOR'S SIGNATURE/DATE: *C. Eagle 11/4/82*

PART CORRECTIVE ACTION PROPOSED:

	ORIGINAL	PRINTS
ACTION:	<i>DEK</i>	
INFO:	↓	<i>ELS</i>
ROUTE:		
FILE:	<i>16.0.2</i>	
COPIES SENT AS ADDRESSED		

31. CONCURRENCE - SIG/DATE:

PART CORRECTIVE ACTION VERIFIED:

35. VERIFIED BY - SIG/DATE:

36. HOLD TAGS REMOVED BY - SIGNATURE/DATE:

37. NCR CLOSED BY - SIGNATURE/DATE:

<u>Item ID No.</u>	<u>Location</u>
OLSHH-9413	AX, Rm. 123
OLSH -9413	AX, Rm. 123
1LSHH-9401	AX, Rm. 027
1LSHH-9403	AX, Rm. 025
1LSHH-9407	AX, Rm. 122
1LSHH-9409	AX, Rm. 117
1LSHH-9410	AX, Rm. 111
1LSHH-9414	AX, Rm. 110A
1LSHH-9429	AX, Rm. 019A
1LSHH-9431	AX, Rm. 020A
1LSHH-9433	AX, Rm. 021A
1LSH-9401	AX, Rm. 027
1LSH-9403	AX, Rm. 025
1LSH-9407	AX, Rm. 122
1LSH-9409	AX, Rm. 117
1LSH-9410	AX, Rm. 111
1LSH-9414	AX, Rm. 110A
1LSH-9429	AX, Rm. 019B
1LSH-9431	AX, Rm. 020A
1LSH-9433	AX, Rm. 021A
2LSHH-9402	AX, Rm. 028
2LSHH-9404	AX, Rm. 026
2LSHH-9408	AX, Rm. 124
2LSHH-9411	AX, Rm. 118
2LSHH-9412	AX, Rm. 113
2LSHH-9415	AX, Rm. 116A
2LSHH-9430	AX, Rm. 022A
2LSHH-9432	AX, Rm. 023A
2LSHH-9434	AX, Rm. 024A
2LSH-9402	AX, Rm. 028
2LSH-9404	AX, Rm. 026
2LSH-9408	AX, Rm. 124
2LSH-9411	AX, Rm. 118
2LSH-9412	AX, Rm. 113
2LSH-9415	AX, Rm. 116A
2LSH-9430	AX, Rm. 022A
2LSH-9432	AX, Rm. 023B
2LSH-9434	AX, Rm. 024B



Consumers
Power
Company

CONDITIONAL RELEASE

MIDLAND PROJECT
QUALITY ASSURANCE DEPARTMENT

1. PAGE 1 OF 2

PROJECT: MIDLAND UNIT 1 & 2	3. NCR M01-8-2-415	11. CONDITIONAL RELEASE NO: M01-8-2-415-01
4. SPECIFIC ITEM(S) TO BE CONDITIONALLY RELEASED NAME: ROOM WATER LEVEL MONITORING SWITCHES		12. FILE NO: 16.0
PART NO(S): ^{N/A} 212/184 N/A SEE PAGE 2.		13. DISTRIBUTION:
SERIAL NO(S): N/A		
QUANTITY: 34		
LOCATION: SEE PAGE 2		

5. AUTHORIZED WORK OR USE:
 1) TO REMOVE LEVEL SWITCHES TO RETURN TO VENDOR FOR REPAIR AND REQUALIFICATION.
 2) TO DETERM CABLES THAT ARE TERMED.
 REF.: NCR 4778

6. LIMITATIONS ON CONDITIONAL RELEASE:
 DISPOSITION OF NCR M01-8-2-415 DOES NOT AFFECT ACTIVITIES IN BLOCK 5.

7. JUSTIFICATION (GIVE COST SCHEDULE & SAFETY IMPLICATIONS IF THIS CR IS NOT AUTHORIZED)
 PER PROJECT DISPOSITION OF NCR 4778 LEVEL SWITCHES HAVE TO BE RETURNED TO THE VENDOR TO REPAIR.

8. DATE OF EXPECTED CR CLOSURE: 3-1-84	9. REQUESTOR'S SIGNATURE/DATE: Hassam Allof-Tajer 2/28/84	9A. PROJECT FIELD ENGINEER (BECHTEL ONLY) N/A
9B. TJAЕ (BECHTEL ASME ONLY) N/A	9C. ANI SIGNATURE/DATE (ASME) N/A	10. PROJECT MANAGEMENT APPROVAL SIGNATURE/DATE: D. Johnson 2-29-84
MPQAD APPROVAL SIGNATURE/DATE: Harry Purine 2/29/84	15. CR TAGS APPLIED BY-SIGNATURE/DATE: Reneal J. Waf 3-2-84	16. CR TAGS REMOVE/CR CLOSED - SIGNATURE/DATE:



4600

Corrected Copy

NONCONFORMANCE REPORT

S/O ORLN
BLL 2/24/84

SH-2RLN
12-22-82 5 Rev 9/23/83
7/29/83
12-22-82
12-22-82
12-22-82

1. PROJECT NAME MIDLAND		JOB NO. 7220		19. Rev. 23 20. 7.4778 3 PAGE 1 OF 3	
2. UNIT(S) 1+2	3. DRAWING/PART NO. J278-2(1)	REV 4	4. ITEM DESCRIPTION FLOOD PROTECTION MONITDRING SWITCHES		5. ITEM LOCATION AVA-DGEN-FURB
6. P.O. OR SPEC NO. J278	7. SERIAL NO. NA	8. REPLACEMENT PART P/N NA REV NA SER NO. NA		9. SOURCE CONSTR	10. CONTRACTOR/SUPPLIER VITRO LAB
11. INSPECTION CRITERIA <input checked="" type="checkbox"/> DWG <input type="checkbox"/> SPEC <input type="checkbox"/> OTHER		IR NO. NA NO.	12. ASME AUTHORIZED INSPECTION REQ'D <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	13. SKETCH ATTACHED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	14. Discovered During <input type="checkbox"/> Rec'g <input checked="" type="checkbox"/> Const <input type="checkbox"/> Test
15. Equip Furnished By <input type="checkbox"/> Client <input checked="" type="checkbox"/> Eng <input type="checkbox"/> IFLD		15. Equip Furnished By			
16. NONCONFORMING CONDITION: REQUIREMENTS J278-2(1) SHOWS 3/4" STRAIGHT SEALTIGHT CONNECTOR FOR PURCHASER CONDUIT. CONTRARY TO THIS ENCLOSURES WERE MODIFIED BY ENLARGING THE OPENING UP TO 1 1/2" TO MATCH SCHEDULED CONDUIT SIZE. WORK WAS DONE WITHOUT CONCURRENCE OF PROJECT ENGRG					24. DISPOSITION CONCURRENCE
SEE SMT 2 FOR LEN # WITH ENLARGED OPENINGS. CONTINUATION					rework <input type="checkbox"/> reject <input checked="" type="checkbox"/> repair <input type="checkbox"/> use as is <input type="checkbox"/>
SEE SMT 2 FOR LEN # WITH ENLARGED OPENINGS. CONTINUATION					PROJECT FIELD ENGINEER 3/8/83 DATE
SEE SMT 2 FOR LEN # WITH ENLARGED OPENINGS. CONTINUATION					PROJECT ENGINEER 3/15/83 DATE
SEE SMT 2 FOR LEN # WITH ENLARGED OPENINGS. CONTINUATION					PROJ CONSTR QC ENGINEER 3-22-83 DATE
SEE SMT 2 FOR LEN # WITH ENLARGED OPENINGS. CONTINUATION					AUTHORIZED INSPECTOR _____ DATE _____
17. REPORTED BY Robert S. Sheffield 12-17-82		VALIDATED BY J.C.P. Pa. Sr. 7-22-83		25. DISPOSITION RESULTS	
21. ROUTING: <input checked="" type="checkbox"/> TO FIELD ENGINEERING <input type="checkbox"/> TO OTHERS (SPECIFY)		22. <input type="checkbox"/> Field Engineering Disposition <input checked="" type="checkbox"/> Field Engineering Recommended Disposition to Project Engineering		26. QC ACCEPTANCE	
INTEGRITY OF ENCLOSURE WAS MAINTAINED PER E42 & E46 GUIDELINES. HOLES WERE CUT WITH A HOLE SAW AND T&B O RINGS AND SEAL TIGHT CONNECTORS WERE INSTALLED OF THE SAME TYPE PROVIDED BY VENDOR					QC ENGINEER _____ DATE _____
SEE SMT 2 - (22) FOR CONTINUATION					AUTHORIZED INSPECTOR _____ DATE _____
23. PROJECT ENGINEERING DISPOSITION					
Modifications were made with different workmanship procedures than were used in the original manufacture (E-42 and E-46 were not applicable to J278). The vendor's QA program and manufacturing procedures were also not used in the modifications. Equipment built using field procedures did not undergo the harsh environment qualification test.					
SEE SHEET 3 FOR CONTINUATION see sht 2 for continuation					

NCR 4778-D-FS-F40-220 NCR 821217 -N

CORRECTED COPY
NONCONFORMANCE REPORT (CONT'D)

5/20/83 4778
19.NCR NO. 4778
REV. 4/5
9/19/83

20. PAGE 2 OF 4

24. Disposition Concurrence Item

RED 3 of 4

REWORK	REJECT	REPAIR	USE AS IS
		X	

PROJECT FIELD ENGINEER *W. J. ...* DATE 9-30-83
 PROJECT ENGINEER *W. J. ...* DATE 9/24/83
 PROJECT CONSTR QC ENGINEER *W. J. ...* DATE 10/1/83

AUTHORIZED INSPECTOR _____ DATE _____

24. Disposition Concurrence Item

REWORK	REJECT	REPAIR	USE AS IS

PROJECT FIELD ENGINEER _____ DATE _____
 PROJECT ENGINEER _____ DATE _____
 PROJECT CONSTR QC ENGINEER _____ DATE _____

AUTHORIZED INSPECTOR _____ DATE _____

24. Disposition Concurrence Item

REWORK	REJECT	REPAIR	USE AS IS

PROJECT FIELD ENGINEER _____ DATE _____
 PROJECT ENGINEER _____ DATE _____
 PROJECT CONSTR QC ENGINEER _____ DATE _____

AUTHORIZED INSPECTOR _____ DATE _____

24. Disposition Concurrence Item

REWORK	REJECT	REPAIR	USE AS IS

PROJECT FIELD ENGINEER _____ DATE _____
 PROJECT ENGINEER _____ DATE _____
 PROJECT CONSTR QC ENGINEER _____ DATE _____

AUTHORIZED INSPECTOR _____ DATE _____

24. Disposition Concurrence Item

REWORK	REJECT	REPAIR	USE AS IS

PROJECT FIELD ENGINEER _____ DATE _____
 PROJECT ENGINEER _____ DATE _____
 PROJECT CONSTR QC ENGINEER _____ DATE _____

AUTHORIZED INSPECTOR _____ DATE _____

24. Disposition Concurrence Item

REWORK	REJECT	REPAIR	USE AS IS

PROJECT FIELD ENGINEER _____ DATE _____
 PROJECT ENGINEER _____ DATE _____
 PROJECT CONSTR QC ENGINEER _____ DATE _____

AUTHORIZED INSPECTOR _____ DATE _____

24. Disposition Concurrence Item

REWORK	REJECT	REPAIR	USE AS IS

PROJECT FIELD ENGINEER _____ DATE _____
 PROJECT ENGINEER _____ DATE _____
 PROJECT CONSTR QC ENGINEER _____ DATE _____

AUTHORIZED INSPECTOR _____ DATE _____

24. Disposition Concurrence Item

REWORK	REJECT	REPAIR	USE AS IS

PROJECT FIELD ENGINEER _____ DATE _____
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24. Disposition Concurrence Item

REWORK	REJECT	REPAIR	USE AS IS

PROJECT FIELD ENGINEER _____ DATE _____
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24. Disposition Concurrence Item

REWORK	REJECT	REPAIR	USE AS IS

PROJECT FIELD ENGINEER _____ DATE _____
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24. Disposition Concurrence Item

REWORK	REJECT	REPAIR	USE AS IS

PROJECT FIELD ENGINEER _____ DATE _____
 PROJECT ENGINEER _____ DATE _____
 PROJECT CONSTR QC ENGINEER _____ DATE _____

AUTHORIZED INSPECTOR _____ DATE _____

24. Disposition Concurrence Item

REWORK	REJECT	REPAIR	USE AS IS

PROJECT FIELD ENGINEER _____ DATE _____
 PROJECT ENGINEER _____ DATE _____
 PROJECT CONSTR QC ENGINEER _____ DATE _____

AUTHORIZED INSPECTOR _____ DATE _____

Corrected Copy
 MAN (CONT'D)

(22) CONT'D FIELD ENGR RECOMMENDS LSHs BE USED AS IS FOR CASES AND REPLACEMENTS BE ORDERED FOR 4 - 2LSH9412, 2LSH9412 WHICH HAVE SHORTENED FLEX. OLSH 9413 CRACKED CASE + 2LSH9415 MISSING
02.23-82

(16) CONT'D ENTRANCE CONNECTORS ENLARGED ON THE FOLLOWING FLOOD PROTECTION NEMAS.

OLSH 9436	ILSHH9406	2LSHH9408
OLSH 9405	ILSHH 9407	2LSHH 9411
OLSH 9413	ILSHH 9409	2LSHH 9412
OLSHH9405	ILSHH 9410	2LSHH9423
OLSHH9413	ILSHH 9414	2LSHH 9426
ILSH 9406	ILSHH9427	2LSH 9408
ILSH 9401	ILSHH9428	2LSH 9411
ILSH 9409	ILSH 9427	2LSH 9412
ILSH 9410	ILSH 9428	2LSH9415
ILSH 9414	ILSH 9425	2LSH 9425
	Now Q Does not APPLY	2LSH 9426

(30 hold tags applied Q List 5.038) *David A. Duff 12-23-82*

(23) CONT'D Therefore, the modified equipment is not qualified as confirmed by *U. Tro* is a letter dated 9/13/82 (Com 084490).
 Field's recommended disposition is rejected. Do not use as 15.A Construction should obtain vendor services to requalify or replace components. Field shall use reducers to match 3/4" connection on the enclosure to 1 1/2" conduit as directed by FEL J771.

MB 12/31/82
J. Hill 12/31/82
 Cont Sys Group Super

CORRECTED COPY

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20 PAGE
19 NCR NO 4778 REV 23
9/18/83
7-2-83

(16 CONT)

TWO ADDITIONAL FLOOD PROTECTION LEVEL SWITCHES WERE DISCOVERED DURING CONSTRUCTION WALKDOWN. 1LSHH9401 & 2LSHH9404 HAVE CRACKED ENCLOSURES THEREFORE INTEGRITY OF ENCLOSURES ARE INDETERMINATE

(22 CONT)

REPAIR REQUIRED 1LSHH9401 & 2LSHH9404 WILL BE RETURNED TO VENDOR FOR REPAIR & REQUALIFICATION

HOTO TAGS ANALYSED - 2
J. Nelson 7/25/83
RB uct/hid [Signature] 7/22/83
B-11-83

(23 CONT) PROJECT ENGINEERING CONCURS WITH FIELD ENGINEERING'S RECOMMENDED DISPOSITION TO RETURN 1LSHH-9401 AND 2LSHH-9404 TO VENDOR FOR REPAIR AND REQUALIFICATION.

PK
[Signature] 9/1/83

[Signature] 9/9/83

Q/S Grob Super
RE APPROXIMATELY FOR RECONSTRUCTION
9/24/83

REVIEW

BLOCK 16 (CONT) TWO ADDITIONAL FLOOD PROTECTION LEVEL SWITCHES WERE DISCOVERED DAMAGED DURING CONSTRUCTION WALKDOWN. OLSH9400 & 2LSH9432 HAVE CRACKED ENCLOSURES, THEREFORE INTEGRITY OF ENCLOSURES IS INDETERMINATE.

(HT) [Signature] 9-19-83

BLOCK 22 (CONT) REPAIR REQUIRED. OLSH9400 & 2LSH9432 WILL BE RETURNED TO VENDOR FOR REPAIR AND REQUALIFICATION (H.M.) [Signature] 9/26/83

CORRECTED COPY

(Block 23 cont'd) PROJECT ENGINEERING CONCURS WITH FIELD ENGINEER'S
RECOMMENDED DISPOSITION TO RETURN OLSH 9400 & ZLSH 9432
TO VENDOR FOR REPAIR AND REQUALIFICATION.

RAO AAO CONTACT AND CONCURRENCE; M. GORDON / G. SINGH 9-23-93

Lettering for G. Singh 9-23-93
C.S. Gear Supervisor

For the RCN 9-23-93
QUALITY ENGINEERING