



Consumers  
Power  
Company

Dean L. Quamme  
Site Manager  
Midland Project

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

50-329

50-330

December 22, 1983

PRINCIPAL STAFF			
✓ RA	hs	DPRP	
D/RA		IDE	
A/RA		DRMSP	
✓ RC	hs	DRMA	
PAO		SCS	✓
SGA		ML	
ENF		File	hs

orig +3

Mr S W Baranow  
Stone & Webster Michigan, Inc  
P O Box 1963  
Midland, MI 48640

MIDLAND ENERGY CENTER GWO 7020  
BY PASSING OF QC HOLD POINTS  
File: E1.1.7, 0655 UFI: 9908, 53\*50\*04 Serial: CSC-7110

Attached is Bechtel's Letter No BCCC-8837 dated December 19, 1983 in complete response to the issue regarding the bypassing of QC Hold Points. Please advise if this response is acceptable to close out this issue.

*Dean L. Quamme*

DLQ/DDJ/klp

cc: JGKepler, NRC w/a  
JJHarrison, NRC w/a  
RJCook, NRC w/a  
RAWells, MPQAD w/a  
BHPeck, MEC w/a  
NIREichel, MEC w/a

8401050371 831222  
PDR ADCK 05000329  
A PDR

DEC 30 1983

IED

# Bechtel Power Corporation

Post Office Box 2167  
Midland, Michigan 48640



December 19, 1983

Consumers Power Company  
P.O. Box 1963  
Midland, MI 48640

Attention: D.L. Quamme

Job 7220 Midland Project  
REVIEW OF STONE & WEBSTER'S  
CCP OVERVIEW REPORT NO. 25  
BCCC-8837

Dear Mr. Quamme:

References: (1) NCRs C-00628, C-00640, & C-00650, By Passing of QC Hold Points

(2) Meeting between Mizan Majumder (BPCo), Ed Jones (MPQAD)  
Dick Schaut (MPQAD) and Mark Johnson (MPQAD)

Construction's review of Stone & Webster's Overview Report No. 25 identified one (1) open (Construction) action item, specifically, the meeting note "B" on Page 2, concerning by passing of QC hold points.

Detailed below is our complete response on the issue:

We have conducted an investigation on the subject which revealed that the QC inspectors concerned misinterpreted the provision of hold points as stated in PQCI E-5.0, Rev. 13, as it related to the actual field situation at the time.

After careful examination of the facts, the QC inspectors and their respective supervisors agreed that the hold points were not by passed (Ref. 2 above). Since the NCRs contained other nonconforming conditions apart from this issue, revisions to the NCRs were initiated by MPQAD on 12/16/83 to delete the hold point violation portions.

Based on the results of this investigation it is concluded that there is no generic problem associated with Construction by passing QC hold points.

If you have any questions concerning the above, please contact B.T. Foote at Ext. 7507.

Very truly yours,

*G.A. Hierzer*  
G.A. Hierzer  
Site Manager

*MM*  
GAH/MAD/BTF/MMR/lcc

Attachments: Copies of revised NCRs C-00628, C-00640 & C-00650

CC: N. Reichel

# RECORD COPY NONCONFORMANCE REPORT

16 MCR NO.

C-00640

17 DATE ISSUED

SEPTEMBER 30, 1983

18 REV

2 A

19

PAGE 1 OF 2

3 7-10-83  
12-16-83

1 ITEM LOCATION

AUXILIARY BLDG. - ELEV. 659' - EQUIP. 2C166 - UNIT II

2 ITEM DRAWING/PART NO.

FSK-EGI-SH.11, REV. 18 my 10-06-83

3 ITEM PART NAME REFER TO CNR-2-RLC-E-1928

CABLE DA1046D-1a

4 ITEM SERIAL NO.

N/A

5 ITEM DESCRIPTION

MARKEL TUBING THAT IS INSTALLED ON DRAIN WIRE.

6 ITEM STARTUP SYSTEM NO.

OGLH

7 REFERENCE DOCUMENT

PQCI-E-5.0 REV.13 / FSK-EGI, REV. 18 my 10-06-83

8 ASME A.N.I. REQUIRED

☐ YES ☒ NO

9 INSPECTION RECORD NO.

DA1046D-1a

LOG NO.

213131

REV NO.

0

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

1. PQCI-E-5.0, R.13 DESIGNATES A HOLD POINT FOR ACTIVITY 2.7. A 12-16-83
2. FSK-EGI-SH.11 R.7: INSULATE DRAIN WIRE WITH MARKEL INSULATING SLEEVE TAPED AT BOTH ENDS TO PREVENT FRAYING.

13 NONCONFORMANCE

- ITEM 1: QC WAS NOT PRESENT TO INSPECT THE ATTRIBUTES LISTED IN ACTIVITY 2.7 PRIOR TO WORK PROCEEDING. A 12-16-83
- ITEM 2: THE MARKEL INSULATING SLEEVE THAT IS INSTALLED ON THE DRAIN WIRE DOES NOT HAVE TAPE APPLIED TO EITHER END. BOTH ENDS ARE FRAYED.

14 MCR ORIGINATED BY (PERSON)

m. Johnson

09-30-83  
DATE

15 MCR ORIGINATED BY (DISCIPLINE)

ELECTRICAL

20 NUMBER OF HOLD TAGS (IF APPLIED)

2 HOLD TAGS ATTACHED

21 LOCATION OF HOLD TAGS

Auxiliary Bldg. ELEV. 659'  
ONE @ 2C166 ONE @ OPDV6575A

22 POTENTIAL 50.55(e)

☐ YES

☒ NO

24 ACTION ITEM NO.

SO3363

26 ITEM PRIORITY CODE NO.

5

28 MCR REVIEWED BY: 12-16-83

Viktor S. Lloyd Doff

23 REPORTED TO MPQA MANAGER

DATE N/A

25 DISCIPLINE:

E

27 TREAD CODE

B-3

DATE:

10-5-83

NONCONFORMANCE REPORT  
CONTINUATION SHEET

PAGE 3 OF 3

BLOCK 18: A

BLOCK 12 AND 13: EXPLANATION OF DELETING OF ITEM # 1 IN BLOCKS

12 & 13. A 12-16-93

TAPING OF MARKEL INSULATING SLEEVE WAS NOT DONE BY  
CONSTRUCTION ENABLING QC INSPECTION OF THIS HOLD POINT  
ACTIVITY. ITEM 1 WAS WRITTEN IN ERROR.

1. ITEM LOCATION

E.L.E. 659; AUXILIARY BLDG, AREA 3, UNIT 2, EQUIP # 2C166

2. ITEM DRAWING/PART NO.  
PQCI E-5.0, REV. 13  
FSK-EG1, SH. 11, REV 8

3. ITEM PART NAME  
REFER TO CWR Z-RLC-E-1928  
CABLE MIO45A-1a

4. ITEM SERIAL NO.  
N/A

5. ITEM DESCRIPTION

INSTALLATION OF MARKEL TUBING ON DRAIN WIRE

6. ITEM STARTUP SYSTEM NO.  
OGLH

7. REFERENCE DOCUMENT  
PQCI E-5.0, REV. 13 FSK-EG1, R8

8. ASSESS A.H.I. REQUIRE  
☐ YES ☒ NO

9. INSPECTION RECORD NO. E-5.0  
MIO45A-1a

LOG NO.  
213130

REV NO.  
0

10. RESPONSIBLE ORGANIZATION  
CONSTRUCTION

11. NONCONFORMANCE DISCOVERED DURING:

☐ POST INSPECT

☐ TURNOVER

☐ DESIGN

☐ RECEIVING

☒ POST TURNOVER

☐ PRE-OP  
TEST

☐ FINAL  
TURNOVER

☒ RELEASE FOR DISPE

☐ OVERINSPECT

12. REQUIREMENT

1. PQCI E-5.0, REV. 13, DESIGNATES A HOLD POINT FOR ACTIVITY 2.7 PRIOR TO WORK PROCEEDING PAST THIS POINT. 12/16/83 J.H.H. A

2. FSK-EG1, SH. 11 REV 8: INSULATE DRAIN WIRE WITH MARKEL INSULATING SLEEVE TAPED AT ENDS TO PREVENT FRAYING.

13. NONCONFORMANCE

ITEM 1: DC WAS NOT PRESENT TO INSPECT ATTRIBUTES LISTED IN ACTIVITY 2.7 PRIOR TO WORK PROCEEDING PAST THIS POINT. 12/16/83 J.H.H.

ITEM 2: THE MARKEL INSULATING SLEEVE THAT IS INSTALLED ON THE DRAIN WIRE DOES NOT HAVE TAPE APPLIED TO EITHER END. BOTH ENDS OF THE SLEEVE ARE FRAYED.

14. NCR ORIGINATED BY (PERSON)

John H. Holley 10/10

15. NCR ORIGINATED BY (DISCIPLINE)

ELECTRICAL

20. NUMBER OF HOLD TAGS (IF APPLIED)

2 HOLD TAGS ATTACHED

21. LOCATION OF HOLD TAGS Auxiliary Bldg.  
EL. 654, 9'-6" E 8.6, 0" J / Coiled in 2A JISSE, 50' B WALL, 8' E of  
ONE AT 2C166 / ONE AT OFT 6575A

22. POTENTIAL SO. 55(e)

☐ YES

☒ NO

24. ACTION ITEM NO.

S03346

26. ITEM PRIORITY CODE NO.

5

28. NCR REVIEWED BY:

John H. Holley 10/10

23. REPORTED TO MPCA MANAGER

DATE N/A

25. DISCIPLINE:

E

27. TEND CODE

B-3

DATE:

10-5-83



NONCONFORMANCE REPORT  
CONTINUATION SHEET

NCR NO.

C-00628

DATE ISSUED

12.16.83

REV

A

PAGE 3 OF 3

Block 18: A

Block 12 and 13: EXPLANATION of Deleting of Item  
#1's in blocks 12 and 13 12/14/83 J/K

Taping of Markel Insulating Sleeve  
was not done by construction enabling  
Q.C. inspection of this Hold Point Activity.  
Item #1 written in error

1 ITEM LOCATION

ELEV. 659'-AUX BLDG. 10'E/8.6 E J LINE

ZC166 (A)

2 ITEM DRAWING/PART NO.

FSK-EG1 REV.8  
J-316 SH.8 REV.3

3 ITEM PART NAME

CWR ZRLC-E-1928  
CABLE ZAI002A-1a

4 ITEM SERIAL NO.

N/A

5 ITEM DESCRIPTION

CABLE: 2 CONDUCTOR, SHIELDED-107

6 ITEM STARTUP SYSTEM NO.

2 EGA

7 REFERENCE DOCUMENT

E 999 REV.4 P 3.15, FSK-EG1 SH.11/REV8

8 ASSE A.R.I. REQUIRED

☐ YES ☒ NO

9 INSPECTION RECORD NO.

E-50-ZAI002-1a

LOG NO.

213129

REV NO.

0

10 RESPONSIBLE ORGANIZATION

CONSTRUCTION PEPCO E 26 E 28.14/3/83

11 NONCONFORMANCE DISCOVERED DURING:

☐ DESIGN

☐ RECEIVING

☐ CONST

☒ RELEASE FOR INSPECT

☐ POST INSPECT

☐ TURNOVER

☒ POST TURNOVER

☐ PRE-OP TEST

☐ FINAL TURNOVER

☐ OVERINSPECT

12 REQUIREMENT

ITEM 1: E999 REV.4 P 3.1.5 STATES THAT ALL WIRE TERMINATIONS -- WITH COMPRESSION TYPE CONNECTORS --- WHEN INSTALLED, THE INDENTATION SHALL FACE OUT.

ITEM 2: FSK-EG1 SH.11 STATES THAT ONE MUST INSULATE DRAIN WIRE WITH INSULATING SLEEVE TAPED AT BOTH ENDS TO PREVENT FRAYING.

ITEM 3: ~~HOLD POINT: THE REQUIREMENT IS THAT A GCE SHALL WITNESS CON INSULATION INTEGRITY PRIOR TO INSTALLING TAPE.~~ E 28 12/1/83

13 NONCONFORMANCE

ITEM 1: CONTRARY TO THE ABOVE REQUIREMENT, THE CRIMPED WIRE IS FA DOWNWARD - (WHITE (+) CONDUCTOR)

ITEM 2: CONTRARY TO THE ABOVE REQUIREMENT MARKER SLEEVE IS FRAYED AND TAPED.

ITEM 3: ~~CONTRARY TO THE ABOVE REQUIREMENT~~  
~~PREPARATION OF SHIELDED CABLE WAS NOT~~  
~~WITNESSED BY G.C. E 28 12/16/83~~

14 NCR ORIGINATED BY (PERSON)

P. R. Brode

10-3  
DATE

15 NCR ORIGINATED BY (DISCIPLINE)

HPBAD- GC ELECT.

20 NUMBER OF HOLD TAGS (IF APPLIED)

2

21 LOCATION OF HOLD TAGS

EL. 659' AUX BLDG. EL. 659' 4" A  
10'E/8.6 E J LINE 7' 6" N/B 2'  
BOTH ENDS OF CABLE ZC166 E ZLT 1727A

22 POTENTIAL 50.55(e)

☐ YES ☒ NO

24 ACTION ITEM NO.

S03374

26 ITEM PRIORITY CODE NO.

5

28 NCR REVIEWED BY:

Victor J. Dore

23 REPORTED TO MPOA MANAGER

DATE N/A

25 DISCIPLINE:

E

27 TEND CODE

B-3

DATE:

10-5-83

NONCONFORMANCE REPORT  
CONTINUATION SHEET

Block 31A: Additional Information

Item 1: Rework

Determ Cable. 2AT 002A at both ends  
and turn lugs so that the indentation  
is facing out. Reterm Cable.

Item 2 & 3:

This is not a non-conforming condition.  
At time work was accomplished there  
was no requirement for taping the  
insulating sleeve on the drain wire.  
Work was completed by Construction  
November of 1982. CWR 2RLC-E-190  
was signed off January 23, 1983 as  
Construction Complete. Rev 7 of  
FSK-EG-1 (Q) which requires the tape  
to be used states:

"NO RETROFIT REQUIRED"

J. Wayne Holumb 11-7

R. B. 12-16-83

BLOCK 12 AND 13: EXPLANATION OF DELETING OF ITEM 3 IN BLOCK 12 AND 13:

TAPING OF MARKEL INSULATING SLEEVE WAS NOT DONE BY CO  
STRUCTION ENABLING Q.C. INSPECTION OF THIS HOLD POINT ACTIVITY.  
ITEM 3 WRITTEN IN ERROR. C.R.B. 12-16-83