



Consumers  
Power  
Company

James W Cook

Vice President - Projects, Engineering  
and Construction

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May 25, 1985

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 APRIL 1985  
DOCKET NOS 50-329 AND 50-330  
FILE: 0.4.6 SERIAL: 32280

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

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8506050310 850525  
PDR ADOCK 05000329  
R PDR

OC0585-0029A-MP02

IE24  
11



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INDEX OF ATTACHMENTS  
ALAB-106 MONTHLY REPORT  
APRIL 1985

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-00007, Closed 4/19/85

Q-00018, Opened 4/17/85

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



# RECORD COPY

QUALITY ASSURANCE DIVISION FORM QAD-1		15 NCR NO. <u>Q-00018</u>		17 REV <u>0</u>	
NONCONFORMANCE REPORT		16 DATE ISSUED <u>APRIL 17, 1985</u>			
		18 PAGE <u>1</u> OF <u>2</u>			
1 ITEM LOCATION <u>JACKSON SPILLS</u>					
2 DRAWING OR PART NO. AND REV. <u>ID # 8325-00250</u>		3 PART NAME <u>DECADE RESISTOR</u>		4 SERIAL NO. <u>21544</u>	
5 ITEM DESCRIPTION <u>MODEL 1433 T</u>					
6 ITEM STARTUP SYSTEM NO. <u>NA</u>		7 REFERENCE DOCUMENT <u>JE8022585-2 (DN)</u>		8 ASME A.N.I. REQUIRED <u>NA</u>	
9 INSPECTION PLAN REV <u>NA</u>		10 ACTION ORGANIZATION <u>MIDLAND ENERGY CENTER H&amp;E JACKSON SPILLS</u>			
11 ACTIVITY HOLD REQUIRED: <u>YES</u> <input checked="" type="checkbox"/> <u>NO</u> <input checked="" type="checkbox"/> ACTIVITY HOLD ORDER NO. <u>NA</u>					
12 REQUIREMENT <u>INSTRUMENT CALIBRATION RANGE TO BE WITHIN SPECIFIED LIMIT FOR 10.0 OHM DECADE STEP ON PROCEDURE C &amp; IS No. IS-F-42. REV 2</u>					
13 NONCONFORMANCE <u>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.</u>					
14 NCR ORIGINATED BY <u>[Signature]</u> <u>4-17-85</u> DATE					
19 HOLD TAG APPLIED <u>YES</u> <input checked="" type="checkbox"/> <u>NO</u> <input checked="" type="checkbox"/>		20 LOCATION OF HOLD TAGS OR SEGREGATED AREA <u>JACKSON SPILLS INACTIVE STORAGE / HOLD AREA</u>			
21 ITEMS SEGREGATED <u>YES</u> <input checked="" type="checkbox"/> <u>NO</u> <input checked="" type="checkbox"/>		23 TREND CODE <u>3</u>		24 NCR REVIEWED BY <u>John L. Wood Jr</u> DATE <u>4/17/85</u>	
22 NEED TO REVIEW FOR REPORTABILITY <u>YES</u> <input checked="" type="checkbox"/> <u>NO</u> <input checked="" type="checkbox"/>		25 SECTION HEAD, ASSURANCE ENGINEERING <u>NA</u>			
26 DETERMINED TO BE REPORTABLE <u>YES</u> <input checked="" type="checkbox"/> <u>NO</u> <input checked="" type="checkbox"/>					



*UNKNOWN*

7 PROCESS CORRECTIVE ACTION REQUIRED

☐

YES

☒

NO

8 RECOMMENDED DISPOSITION

☒

REWORK

☐

SCRAP/REJECT

☐

REPAIR\*

☐

USE AS IS\*

\*REQUIRES TECHNICAL JSUTIFICATION ATTACHED

9 CONDITIONAL RELEASE NEEDED

☐

YES

☒

NO

CR NO:

—

10 ADDITIONAL INFORMATION

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

11 DISPOSITION CONCURRENCE

ACTION ORGANIZATION

DATE

QAD CONCURRENCE

DATE

ENGINEERING

DATE

A.N.I. (ASME) IF REQUIRED

12 DISPOSITION ACTION TAKEN

13 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)  
IF REQUIRED

DATE



QUALITY ASSURANCE DIVISION  <div style="text-align: center;">NONCONFORMANCE REPORT</div>		15 NCR NO. Q-00007 16 DATE ISSUED 2-11-85 17 REV 0 18 PAGE 1 OF 2 <i>10 wsw 4-15-85</i>	
QAD FORM 1			
1 ITEM LOCATION MEC onsite M&TE Calibration lab			
2 DRAWING OR PART NO. AND REV. MP-1		3 PART NAME Mini-Pulser	
4 SERIAL NO. 433			
5 ITEM DESCRIPTION Mini-Pulser Cal. ID #8325-01198			
6 ITEM STARTUP SYSTEM NO. NA		7 REFERENCE DOCUMENT IS-I-27 rev 1-A	
8 ASME A.N.I. REQUIRED NA			
9 INSPECTION PLAN NA		10 ACTION ORGANIZATION SP & LS-S. Woodby	
11 ACTIVITY HOLD REQUIRED: <div style="display: flex; justify-content: space-between;"> <span>YES <input type="checkbox"/></span> <span>NO <input checked="" type="checkbox"/></span> </div>			
ACTIVITY HOLD ORDER NO. NA			
12 REQUIREMENT Equipment MP-1 is supposed to generate a pulse height of 10 volts.			
13 NONCONFORMANCE Equipment MP-1 is generating a pulse height of 10 millivolts.  NOTE: M&TE usage record page one for 8325-01198 shows no Q activities performed with this equipment.			
		14 NCR ORIGINATED BY <i>Mark Butterfield</i> <div style="text-align: right;">3/11/85 DATE</div>	
19 HOLD TAGS APPLIED ITEM SEGREGATED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		20 LOCATION OF HOLD TAGS OR SEGREGATED AREA M&TE lab	
21 NEED TO REVIEW FOR REPORTABILITY YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		23 TREND CODE 3	
		24 NCR REVIEW BY: <i>E. J. Gould</i> DATE: 2/11/85	
22 DETERMINED TO BE REPORTABLE YES <input type="checkbox"/> NO <input type="checkbox"/>		25 SECTION HEAD, ASSURANCE/ENGINEERING NA DATE: 2/11/85 <i>E. J. Gould</i>	



26 CAUSE

10  
WSW  
4-14-85

UNKNOWN

27 PROCESS CORRECTIVE ACTION REQUIRED

☐ YES☒ NO

28 RECOMMENDED DISPOSITION

☒ REWORK☐ SCRAP/REJECT☐ REPAIR☐ USE AS IS

29 CONDITIONAL RELEASE NEEDED

☐ YES☒ NO

CR NO.

30 ADDITIONAL INFORMATION

NONE

31 DISTRIBUTION CONCURRENCE

ACTION ORGANIZATION

DATE

QAD CONCURRENCE

DATE

ENGINEERING

DATE

A.N.I. (ASME) IF REQUIRED

32 DISPOSITION ACTION TAKEN

"MINI PULSER" 8325-01198 WAS SENT TO SPECS FOR CALIBRATION.  
 DID NOT CONFIRM ORIGINAL ANALYSIS.  
 NO PROBLEM WAS FOUND. AS-FOUND READINGS ~~VERIFIED~~ THAT THERE WAS  
~~NOT A PROBLEM~~ THEREFORE THE ITEM WAS RECERTIFIED AND RETURNED  
 TO MIDLAND

\* SEE ATTACHED CALIBRATION REPORT / CERTIFICATION 8325-01193  
 DATED 3-21-85

33 METHOD OF DISPOSITION ACTION VERIFICATION

NCR CLOSED BY

Review attached calibration report  
 verifying new calibration label attached.

MARK BUTTERFIELD

QAD

DATE

☒ ACCEPTABLE☐ UNACCEPTABLE

IF UNACCEPTABLE, REFERENCE SUPERSEDING NCR  
 NUMBER \_\_\_\_\_

A.N.I. (ASME)  
 IF REQUIRED

DATE



NONCONFORMANCE CHECKLIST

8325-01198  
Equipment Number

EBERLINE  
Manufacturer

MP-1  
Model Number

Yes No

1. Is the nonconformance valid?

(This step is only for nonconformance identified by Midland Plant personnel and is based on steps (a) through (d) below.)

- a. Was the proper test equipment used in accordance with applicable Maintenance Orders?

✓       

- b. Are circuit connections correct and in accordance with suggested diagrams or directions within the MO?

(Check for loose connections, improper grounds, excessive wires, and exceptional lengths of wire.)

✓       

- c. Re-accomplish MO step or steps used when defective component was found or readings were taken. Verify the readings taken and record on a data sheet. Is the device still nonconforming?

✓       

- d. Notify immediate supervisor who will verify items (a) through (c) above. Is the device still nonconforming?

✓



If the answer is yes to questions c or d, or a Deficiency Notification was initiated by SP&LS, the nonconformance is valid and the remainder of the checklist must be completed. If the nonconformance is not valid, attach the nonconformance checklist to the data sheet and complete the test.

2. Is the M&TE in an active status?

If yes, continue checklist.

If no, go to Step 7; a Maintenance Order is not required.

✓            

3. Is the calibration activity of the M&TE safety related?

If yes, continue checklist.

If no, go to Step 7; a Maintenance Order is not required.

✓      ✓ wsw  
2-11-85

4. Has the M&TE been used since the last calibration/calibration check (see Usage Log)?

If yes, continue checklist.

If no, go to Step 7; a Maintenance Order is not required.

✓            

5. Was the M&TE used in any safety related activity (see Usage Log)?

If yes, continue checklist.



If no, go to Step 7; a Maintenance Order is not required.

\_\_\_\_ ✓

6. Was the nonconforming range of the M&TE used in this safety related activity?

If yes, initiate a Maintenance Order and go to Step 7.

If no, go to Step 7; a Maintenance Order is not required.

\_\_\_\_ ✓

NCR Q-00007 DR#

7. Does the M&TE require repair or calibration?

If repair required, initiate a Maintenance Order. If calibration required, make the necessary adjustments and calibrate.

✓ \_\_\_\_

8. Does the calibration/repair responsibility belong to Midland Plant?

If yes, go to Step 8.

If no, attach "rejected" sticker and ship to the responsible facility.

\_\_\_\_ ✓

Description of Nonconformance MP-1 HAS EXTREMELY  
LOW OUTPUT. THE UNIT STILL PULSES,  
BUT WILL NOT AMPLIFY PULSES TO DESIRED LEVEL

W. S. H. W.  
Signature of Evaluator

2-11-85  
Date

W. S. H. W.  
Reviewed By Title

2-11-85  
Date



Description of work performed to correct nonconformance SENT TO  
LAB SERVICES FOR REPAIR &  
CALIBRATION

W. Lusk Wray  
O&M Management

2-11-88  
Date



# CALIBRATION AND INSTRUMENT SERVICES

## PROCEDURE CHECKLIST AND SPECIAL INSTRUCTIONS

TYPE MINI PULSE

MODEL NO. MP-1

MFG EBERLINE

### SPECIAL NOTES

Temp Range 0 DEG C TO 60 DEG C  
Temp Coef NA  
Humidity NA  
Position NA  
Other NA

**CONTROL COPY**

SYSTEM PROTECTION &

LABORATORY SERVICES

C & IS DEPT.

\* PROCEDURE IS-I-27  
\* CKL ID A REV 2  
\* EFFECT DATE 3/21/85  
\* ORIG JKL  
\* TEC REVW ARK  
\* APPR ARK

\*\*\*\*\*

		*MFG.ACCURACY	* CFCO ACCURACY
	RECALL INTERVAL:	ANNUAL	ANNUAL
	USAGE CLASS:	NA	GENERAL
RANGE FUNCTION	STANDARDS REQUIRED		
CALIBRATED	ACCURACY		
1			
2 FREQUENCY			
3 (COUNTS PER MINUTE)	+/-0.05%	+/-0.1% RDG	+/-0.1% RDG
4			
5 10CPM TO 1,600,000			
6 CPM			
7			
8 AMPLITUDE			
9 3m,10m,30m,100m,	+/-5.0%	+/-10.0% F.S.	+/-10.0% F.S.
10 0.3,1.0,3.0 VOLT			
11 RANGES			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			

**INFO**

\*\*\*\*\*

Special Instructions: REFER TO WORK PROCEDURE.

**INFORMATION COPY**



CONSUMERS POWER COMPANY  
CALIBRATION CERTIFICATION

Date Cal: 3/21/85 Date Issued: 3/21/85 Date Due: 3/21/86 ID No. 8325-C1193

☐ To UTI Storage-Assign Due Date When Issued

GENERAL INFORMATION.....

Type MINE PULSER \*Model No. MP-1  
\*Serial No. 433  
Mfg EBERLINE \*Cal Facility SP#LS C#IS  
\*Proc No. IS-I-27 Ckl A Rev Z  
\*User Group as Found MIDLAND Final MIDLAND

RESULTS.....

As Found: ☒ Acceptable -- Indicated Ranges Within User Required Accuracy

Date 3/21/85 ☐ Unacceptable -- Errors Exceeded User Required Accuracy

By JSL ☐ Repairs Required Prior to-Final Readings  
Explain \_\_\_\_\_

Notification No. \_\_\_\_\_ Verbal to \_\_\_\_\_

Final: ☒ Meets Mfg Accuracy

Date 3/21/85 ☐ Other (Explain) \_\_\_\_\_

By JSL  
Remarks \_\_\_\_\_

**INFORMATION COPY**

CERTIFICATION.....

Standards Used (ID No.-Date Due-Nom Tol)

3741-00131 3/22/85 ± 3.0 %  
3741-10425 10/17/85 ± 6.4 PPM

23 Deg C 40 %RH

THIS INSTRUMENT HAS BEEN CALIBRATED USING STANDARDS TRACEABLE TO THE NATIONAL BUREAU OF STANDARDS, OR THE NATIONALLY ACCEPTED MEASURING SYSTEM. THE STANDARDS AND INSTRUMENTS USED IN THE CALIBRATION ARE SUPPORTED BY A CALIBRATION SYSTEM WHICH MEETS NRC 10 CFR 50 REQUIREMENTS.

Approved by J. E. Brown  
Title Supervisor

Date 3/22/85



## CALIBRATION AND INSTRUMENT SERVICES

## CALIBRATION REPORT

MATE ID NO. 8325-01198 SER NO 433 PROC NO IS-I-27

MODEL NO. MP-1 MFG EBERLINE CKL ID A REV 2

TYPE MINI PULSE INTERVAL Q-CODE YL USAGE GENERAL

\*\*\*\*\*  
Limitations/Remarks \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_\*\*\*\*\*  
Readings Taken From: \*Data By JS Date 3/21/85 \*Data By JS Date 3/21/85  
STANDARD \*\*\*\*\*\*\*\*\*\*  
Cal Point \*As Found Mfg \* CPco \* Final \* Mfg  
\*\*\*\*\*FREQUENCY  
COUNTS PER SECOND

INFORMATION COPY

MULT	(Hz)	BASE				
X1		160				
	2.66667		<u>2.66660</u>	0.00267	0.00267	0.00267
X10		160				
	26.6667		<u>26.6660</u>	0.0267	0.0267	0.0267
X100		10				
	16.66667		<u>16.66625</u>	0.01667	0.01667	0.01667
X100		20				
	33.3333		<u>33.33256</u>	0.03333	0.03333	0.03333
X100		40				
	66.6667		<u>66.66439</u>	0.06667	0.06667	0.06667
X100		80				
	133.333		<u>133.3316</u>	0.1333	0.1333	0.1333
X100		160				
	266.6667		<u>266.6667</u>	0.267	0.267	0.267
X1K		160				
	2666.67		<u>2,667.38</u>	2.67	2.67	2.67
X10K		160				
	26,666.7		<u>26,665.9</u>	26.7	26.7	26.7

AMPLITUDE  
V P-P

3.0m VOLT RANGE

1.0	<u>1.3</u>	0.3	0.3	0.3
3.0	<u>3.25</u>	0.3	0.3	0.3

Final Readings same As Found  
No Adjustments Required



## CALIBRATION AND INSTRUMENT SERVICES

## CALIBRATION REPORT

M&amp;TE ID NO. 8325-01198 SER NO 433

PROC NO IS-I-27

CKL ID A REV 2

\*\*\*\*\*  
 Readings Taken From: \*Data By JSL Date 3/21/85 \*Date By JSL Date 3/21/85  
 STANDARD \*\*\*\*\*

Cal Point	*As Found	Mfg	+/- Tol	* Final	+/- Tol
			<u>CPCO</u>		
*****					
10m VOLT RANGE					
2.0	<u>2.45</u>	1.0		1.0	1.0
10.0	<u>10.00</u>	1.0		1.0	1.0
30m VOLT RANGE					
10.0	<u>10.75</u>	3.0		3.0	3.0
30.0	<u>29.50</u>	3.0		3.0	3.0
100m VOLT RANGE					
20	<u>20.2</u>	10.0		10.0	10.0
40	<u>42.0</u>	10.0		10.0	10.0
60	<u>62.0</u>	10.0		10.0	10.0
80	<u>80.0</u>	10.0		10.0	10.0
100	<u>99.0</u>	10.0		10.0	10.0
0.3 VOLT RANGE					
0.1	<u>0.104</u>	0.03		0.03	0.03
0.2	<u>0.205</u>	0.03		0.03	0.03
0.3	<u>0.300</u>	0.03		0.03	0.03
1.0 VOLT RANGE					
0.2	<u>0.201</u>	0.1		0.1	0.1
1.0	<u>1.02</u>	0.1		0.1	0.1
3.0 VOLT RANGE					
1.0	<u>1.08</u>	0.3		0.3	0.3
3.0	<u>3.03</u>	0.3		0.3	0.3

Final Readings Since Last Found  
 No Adjustments Required

**FORMATION COPY**