

ISHAM, LINCOLN & BEALE

COUNSELORS AT LAW

EDWARD S. ISHAM, 1872-1802
ROBERT T. LINCOLN, 1872-1888
WILLIAM G. BEALE, 1885-1923

ONE FIRST NATIONAL PLAZA

WASHINGTON OFFICE*
1050 17TH STREET, N.W.
WASHINGTON, D. C. 20036
202-633-9730

FORTY-SECOND FLOOR

CHICAGO, ILLINOIS 60601

312-661-5000 TELEX: 2-50000



ASSOCIATES

CHARLES A. BANE
DEAN A. ESLING
WILLIAM W. GARROW
FREDERICK R. CARSON
RICHARD G. FERGUSON
RICHARD S. OGDILVIE
ROBERT E. CRONIN
EILEEN STRANG
ROBERT WOOD TULLIS
RICHARD D. CUDAHY*
RICHARD E. POWELL
A. DANIEL FELDMAN
PHILIP F. PURCELL
SHARON L. KING
JON R. LIND
MICHAEL I. MILLER
DONALD J. McLACHLAN

DAVID J. ROSSO
DONALD E. VACIN
JOHN L. McCAUSLAND
LAURENCE D. LASKY
ROBERT A. YOLLES
C. RICHARD JOHNSON
GERALD D. MINDELL
GERRY D. OSTERLAND
JOHN W. ROWE
PAUL F. HANZLIK
DONALD S. HILLIKER
ROBERT W. KLEINMAN
TERRY F. MORITZ
ROBERT H. WHEELER
JOSEPH GALLO*
REYNALDO R. GLOVER
ROBERT H. LOEFFLER*

ALEXANDER HENMEYER
OF COUNSEL

LAWRENCE S. ADELSON
GEOFFREY A. ANDERSON
MARGARET C. BAXTER
EUGENE H. BERNSTEIN
ALAN P. SIELAWSKI
JAMES B. BURNS
JOHN E. CIPRIANO
O. KIRBY COLSON, III
CLARK EVANS DOWNS
EDSELL M. EADY, JR.
ROBERT L. ESTEP
DAVID J. FISCHER
MARY L. FITCH
JAMES A. FLETCHER
ANNE W. FRASER
MARTHA E. GIBBS
STEVEN R. GILFORD
MICHAEL J. GILL
PAUL C. LEMBERSIS
JAMES R. LOOMAN
JOHN E. LOPATKA

EDWARD W. MALSTROM
HUGH R. McCOMBS, JR.
WILLIAM S. MCKAY, JR.
PAUL M. MURPHY
GLENN E. NELSON
JAMES N. NOWACKI
THOMAS GRADY RYAN
STEVEN R. SCHAFER
FREDERIC E. SCHREYER
PAUL W. SCHROEDER
DAVID H. SPECTOR
BOYD J. SPRINGER
DAVID H. STAHL
PHILIP R. STEPTOE, III
PAMELA B. STROBEL
WILLIAM R. SURIANO
PATRICIA M. SWEENEY
RICHARD B. THIES
JOHN W. TREECE
RONALD G. ZAMARIN

April 3, 1979

Ivan W. Smith, Esq.
Atomic Safety and Licensing Board
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. Lester Kornblith, Jr.
Atomic Safety and Licensing Board
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dr. Frederick P. Cowan
6152 N. Verde Trail
Apt. B-125
Boca Raton, Florida 33433

Re: Consumers Power Company
(Midland Plant, Units 1 and 2)
Docket Nos. 50-329, 50-330

Gentlemen:

Enclosed is a \$50.55(e) report which has recently been submitted by Consumers Power Company to the Nuclear Regulatory Commission.

Very truly yours,

Martha E. Gibbs
Martha E. Gibbs

MEG bc

cc: Service List w/enclosures

2053 238

7905290540



**Consumers
Power
Company**

RELATED CORRESPONDENCE

Stephen H. Howell
Senior Vice President

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

March 30, 1979
Howe 106-79

Mr J G Keppler, Regional Director
Office of Inspection and Enforcement
US Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137



MIDLAND NUCLEAR PLANT --
UNIT NO. 1, DOCKET NO. 50-329
UNIT NO. 2, DOCKET No. 50-330
ELECTRICAL PENETRATION ASSEMBLY

Reference: Letter SHHowell to JGKeppler; Midland Nuclear Plant - Unit No. 1, Docket No. 50-329; Unit No. 2, Docket No. 50-330; Electrical Penetration Assembly; Howe 16-79; dated January 15, 1979

The referenced letter and this letter are interim 50.55(e) reports concerning the discrepancies found in the inboard terminal boxes of Unit No. 1 and 2 electrical penetration assemblies. The attachment to this letter provides the current status of the corrective actions being taken.

Another report, either interim or final, will be sent on or before May 25, 1979.

Stephen H. Howell

Attachment: 1. Quality Assurance Program, Management Corrective Action Report, MCAR-1, Report 26, Interim Report 2, dated March 21, 1979.

CC: Director of Office Inspection and Enforcement
Att: Mr. John G. Davis, Acting Director, USNRC (15)

Director of Office of Management
Information and Program Control, USNRC (1)

2053 239

BCC: JLBacon, M-1085A
WRBird, JSC-216B
RLCastleberry, Bechtel AA
TCCooke, Midland
JLCorley, Midland
LADreisbach, Bechtel-Midland
MEGibbs, IL&B
GSKeeley, P-14-408B

BWMarf -lio, JSC-220A
PAMartinez, Bechtel AA
DBMiller, Midland
WGMoring, Bechtel AA
JNewgen, Bechtel-Midland
MJSchaeffer, Midland
File: 0.4.9.24

2053 240

Bechtel Associates Professional Corporation

SUBJECT: MCAR #26 (Issued 12/19/78)

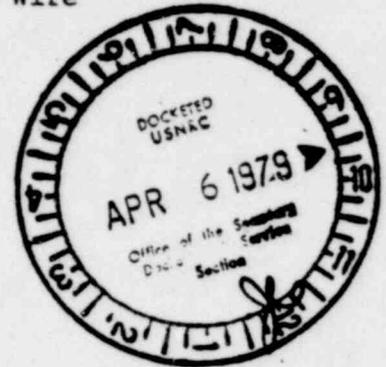
~~RELATED CORRESPONDENCE~~

Electrical Penetration Assemblies, Inadequate Wire Terminations

INTERIM REPORT #2

DATE: March 21, 1979

PROJECT: Consumers Power Company
Midland Plant Units 1 & 2
Bechtel Job 7220



Introduction

This report is submitted to advise regarding the interim status and course of action required pursuant to MCAR #26 and CPCo NCR M-01-4-8-107.

Description of Discrepancy

Refer to interim report No. 1, dated January 8, 1979, for a description of discrepancy.

Probable Cause

Further investigation by the Bechtel Supplier Quality Representative (SQR) has indicated that the equipment quality verification document packages are in order and that all crimping tools were properly calibrated and have proper calibration documentation on file. The investigation also indicated that the training records for nuclear production personnel were not on file as required. Other than the improperly filed training records, the investigation did not disclose any specific reason why the random check by the SQR did not uncover any discrepancies. The training records were subsequently retrieved and found to be acceptable.

The supplier provided his assessment of the probable cause, could not identify any specific program breakdown, and maintains that the discrepancies are of a random nature. It was suggested that the failures may be due, in part, to the type of termination lug that was used. Compression type, ring-tongue terminals with insulated ferrules were specified and provided. The insulation sheath covers the crimp and consequently makes visual inspection difficult. All of the suppliers current orders utilize uninsulated ferrules.

Corrective Action

The supplier has initiated a 100% inspection program of all terminations on all current and future nuclear projects and has established a special training program for all nuclear production personnel. This should prevent recurrence for any potential add-on orders for Midland.

2053 241

Bechtel Associates Professional Corporation

MCAR #26

Page 2

With respect to the assemblies at the site, the supplier has performed a preliminary investigation and verified that the discrepancies exist. The supplier has agreed to send representatives to the site in April to complete a comprehensive inspection of all penetrations designated for Class 1E circuits and selected penetrations designated for non-Class 1E circuits. They propose to inspect all of the #10, 14, 16 and 20 gauge wires in all penetrations. Any crimps which are found to be defective will be replaced. All of the 350 MCM, 4/0, #2 and 6 gauge wire will be inspected in all of the penetrations which are designated for Class 1E circuits. If the crimps in these penetrations pass a hand pull test, all remaining penetrations with like wire sizes will be considered acceptable. If discrepancies are identified, the sample size will be increased accordingly.

Safety Implication

Refer to interim report No. 1 dated January 8, 1979, for a discussion of safety implications.

Forecast Date of Corrective Action

The corrective actions are scheduled for completion in April, 1979.

Submitted by:

^{CLX}
Clay Bleau

Approved by:

^{FRT}
Rustoburn

Concurrence by:

Karl Wiedner

2053 242