

NRC PUBLIC DOCUMENT ROOM

RELATED CORRESPONDENCE

TERA

ISHAM, LINCOLN & BEALE

COUNSELORS AT LAW

EDWARD S. ISHAM, 1872-1901  
ROBERT T. LINCOLN, 1872-1987  
WILLIAM G. BEALE, 1885-1947

ONE FIRST NATIONAL PLAZA

FORTY-SECOND FLOOR

CHICAGO, ILLINOIS 60603

312-786-7500 TELEX: 2-5288

WASHINGTON OFFICE  
1050 17TH STREET, N.W.  
WASHINGTON D.C. 20036  
202-833-9730

ASSOCIATES

CHARLES A. BANE  
DEAN A. ESLING  
WILLIAM W. DARROW  
FREDERICK R. CARSON  
RICHARD G. FERGUSON  
RICHARD B. OGILVIE  
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 B. MILLIKER  
ROBERT W. KLEINMAN  
TERRY F. MORITZ  
ROBERT H. WHEELER  
JOSEPH GALLO  
REYNALDO R. GLOVER  
ROBERT H. LOEFFLER

ALEXANDER HEHMEYER  
OF COUNSEL

POOR  
ORIGINAL

LAWRENCE S. ADELSON  
GEOFFREY A. ANDERSON  
MARGARET C. BAXTER  
EUGENE H. BERNSTEIN  
ALAN P. BIELAWSKI  
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  
MATTHEW E. GIBBS  
STEVEN R. GILFORD  
MICHAEL J. GILL  
PAUL C. LEMESIS  
JAMES R. LOOMAN  
JOHN E. LOPATKA

EDWARD W. HALSTROM  
HUGH R. McCOMBS, JR.  
WILLIAM S. MCKAY, JR.  
PAUL M. MURPHY  
GLENN E. NELSON  
JAMES N. NOWACKI  
THOMAS GRADY RYAN  
STEVEN R. SCHAFER  
FREDERICK T. SCHREYER  
PAUL L. SIEDER  
DAVID M. VECOR  
BOYO J. SPRINGER  
DAVID M. STAHL  
PHILIP R. STEPTOE, III  
PAMELA B. STROBEL  
WILLIAM R. SURIANO  
PATRICIA M. SWEENEY  
RICHARD B. THIES  
JOHN W. TREECE  
RONALD G. ZAHARIN

July 30, 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

1044 293



APS 4401

7909270851 G



Consumers  
Power  
Company

Stephen H. Howell  
Senior Vice President

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

July 20, 1979  
Howe-205-79

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  
MAIN CONTROL PANEL, STATUS DISPLAY PANEL MODULES

Reference: S H Howell letter to J G Keppler; Midland Nuclear Plant;  
Unit No 1, Docket No 50-329; Unit No 2, Docket No 50-330;  
Main Control Panel, Status Display Panel Modules; Serial  
Howe-173-79; dated June 20, 1979

The referenced letter was an interim 50.55(e) report on the status of  
discrepancies found in soldered components of the J201 Main Control  
Panel supplied by Magnetics. This letter is a final report in that the  
part and process corrective actions have been determined and their  
accomplishment scheduled as given in the attachment.

*Stephen H. Howell*

Attachment: MCAR-28, Final Report, dated July 20, 1979

CC: Director of Office of Inspection and Enforcement  
Att: Mr Victor Stello, USNRC (15)

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

POOR  
ORIGINAL

*deep*  
7907250325

1044 294

BCC: JLBacon, M-1085A  
WRBird, JSC-216B  
RLCastleberry, Bechtel AA  
TCCooke, Midland  
JLCorley, Midland  
LADreisbach, Bechtel-Midland  
MEGibbs, IL&B  
GSKeeley, P14-408B

BWMarguglio, JSC-220A  
PAMartinez, Bechtel AA  
DEMiller, Midland  
WGMoring, Bechtel AA  
JNewgen, Bechtel-Midland  
MJSchaeffer, Midland  
File: 0.4.9.26

POOR  
ORIGINAL

1044 295

# Bechtel Associates Professional Corporation

SUBJECT: MCAR 28 (issued June 7, 1979)

INTERIM REPORT 2

DATE: July 19, 1979

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

POOR  
ORIGINAL

## Introduction

This report is an interim report on the course of action required pursuant to MCAR 28 and Bechtel NCR 2176.

## Description of Discrepancy

Bechtel field inspection of the installed ESFAS status display light modules on panel 1C14 revealed discrepancies regarding the soldered wire connections as follows:

<u>Switch</u>	<u>Terminal</u>	<u>Problem Description</u>
1SV-0127	G	Not soldered
1SV-0127	G	Loose solder joint
1SV-0127A	C	Cold solder joint
1MO-1257	G	Not soldered
1MO-5336A	A	Not soldered
1MO-0912	G	Wire touching movable member

## Probable Cause

The supplier provided his assessment of the probable cause and indicated that a specific, detailed inspection plan for soldered connection was not part of the quality assurance program. This resulted in an inadequate inspection of soldered connections. The supplier used a general type procedure which lacked the required amount of detail to assure the level of quality required. The supplier maintains that the number of soldered connections involved indicates the discrepancies are of a random nature.

## Corrective Actions

- 1) As requested, Magnetics submitted an inspection and soldering procedure for all soldered items. Bechtel completed the review of these documents and returned them with comments for revision and resubmission. Magnetics is allowed to proceed with the work, provided the changes indicated are incorporated in the subject procedures.

dupl

7908210431

1044 296

# Bechtel Associates Professional Corporation

MCAR 28  
Interim Report 2  
July 19, 1979  
Page 2

- 2) Magnetics informed Bechtel that 100% reinspection of all soldered wire terminations and connections in the main control boards will be done starting July 9, 1979. Bechtel field quality control (QC) has been informed of this schedule. The amount of discrepancies for all Q-panel work with Magnetics are limited to the main control boards as there are no new Q-panels on order or in the manufacturing cycle.
- 3) The Bechtel Project Supplier Quality Representative (SQR) is scheduled to conduct an inspection and further investigation at the supplier's facilities during the third week of July. All of the removable status display panel modules have been received at Magnetics as reported in Interim Report 1. They will be subjected to 100% reinspection and repair as necessary. In addition, the SQR will determine if any other fabrication/inspection processes are not covered by Magnetics Quality Program.
- 4) Bechtel procurement supplier quality department has issued a Supplier Quality Information Bulletin, SQUB 79-1 dated June 11, 1979, which alerted all supplier quality personnel to be aware of similar type soldering deficiencies from other suppliers. The SQR has been instructed to determine that the supplier has a quality control plan in operation and that adequately trained personnel perform the soldering operation. Results of these in-process inspections will be covered in regular quality surveillance reports.
- 5) Bechtel Procurement Supplier Quality Department (PSQD) and Quality Engineering (QE) has initiated a program to define special processes in selected vendors for additional surveillance. This will include:
  - a. Identification of special processes and vendors
  - b. Performance of quality program verification to verify that the supplier has procedures in place and is implementing them
  - c. Review of the procurement documents and revision to add witness and/or hold points for the identified, selected special processes

POOR  
ORIGINAL

1044 297