

# TERA

February 21, 1984

Mr. James W. Cook  
Vice President  
Consumers Power Company  
1945 West Parnall Road  
Jackson, Michigan 49201

Mr. J. G. Keppler  
Administrator, Region III  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Mr. D. G. Eisenhut  
Director, Division of Licensing  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Re: Docket Nos. 50-329 OM, OL and 50-330 OM, OL  
Midland Nuclear Plant - Units 1 and 2  
Independent Design and Construction Verification (IDCV) Program  
Meeting Notices - 1) Seventh OCR Status Review Meeting  
2) Civil/Structural Review Meeting

First Meeting: Seventh OCR Status Review Meeting

Date: February 29, 1984

Time: 9:00 AM

Location: Bechtel Offices  
Conference Room IB1/IB2  
777 East Eisenhower Parkway  
Ann Arbor, Michigan

Subject: Discussion and Status of Confirmed Items  
and Findings

Agenda: See Attachment I

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PDR ADOCK 02000329  
A PDR

*2021*

Second Meeting: Civil/Structural Review Meeting

Date: March 1, 1984

Time: 1:00 PM

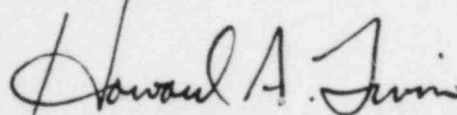
Location: Same as above

Subject: Discussion and Status of Confirmed Items  
in the Civil/Structural Discipline

Agenda: See Attachment 2

Participants: H. Levin, et al., TERA  
L. Gibson, et al., Consumers Power Company  
J. Milhoan, H. Wang, NRC, I&C HQ  
R. Burg, et al., Bechtel  
W. Hall, U. of Illinois, Member Midland IDCVP  
Senior Review Team (March 1, 1984 only)  
M. Holley/J. Biggs, HHB, Inc., TERA Associates  
(March 1, 1984 only)

Sincerely,



Howard A. Levin  
Project Manager  
Midland IDCVP Program

cc: Participants  
R. Erhardt, CPC  
D. Budzik, CPC  
D. Quammy, CPC (site)  
J. Agar, Babcock & Wilcox  
R. Whitaker, CPC (site)  
J. Taylor, NRC, I&E HQ  
D. Hood, NRC, NRR  
J. Karr, S&W (site)  
Midland IDCVP Service List

HAL/sl



**SERVICE LIST FOR MIDLAND INDEPENDENT DESIGN  
AND CONSTRUCTION VERIFICATION PROGRAM**

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Mr. Paul Rau  
Midland Daily News  
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Midland, Michigan 48640

## ATTACHMENT I

### MIDLAND INDEPENDENT DESIGN AND CONSTRUCTION VERIFICATION PROGRAM

#### AGENDA FOR FEBRUARY 29, 1984 OCR STATUS REVIEW MEETING BECHTEL OFFICES ANN ARBOR, MICHIGAN

I. Estimated Time

Start: 9:00 AM  
Lunch: 12:00 PM to 12:45 PM  
Adjournment: 3:00 PM

II. Discussion of Confirmed Items, Findings, Observations, and Resolved Items

<u>Item</u>	<u>TERA Lead</u>
A. Construction	
o F-047	Tulodieski
o F-049	"
o F-050	"
o F-054	"
o F-055	"
o F-056	"
o F-091	"
o C-092	"
o C-093	"
o C-094	"
o C-095	"
o C-096	"
B. Mechanical/Systems	
o R-025*	Dougherty
o R-074*	Witt
o C-129	Witt
o C-112	Setka
o C-133	Setka
o R-081*, B-142*, B-143*	Dougherty
o C-148*, C-149*, C-150*	Setka
o B-152*	Dougherty

**ATTACHMENT I**  
**(Continued)**

**C. Electrical**

o C-022	Bates
o R-039*	Bates
o R-040*	Bates
o C-097	Bates
o C-109	Setka
o C-110	Setka
o C-111	Setka
o C-132	Setka
o C-134	Setka
o C-135	Setka
o B-139*	Setka
o C-141*	Setka
o C-146*	Setka
o C-147*	Setka
o B-151*	Setka
o C-153*	Bates

(Note: Rev. I of this OCR is attached.  
Rev. 0 inadvertently mislabeled switch  
3965B as 3965A. This switch is located  
on panel 2C114.

**III. Discussion of programmatic issues**

- TERA plans for completion of the design verification
- Construction verification status and future plans

**IV. Discussion of Action Items and Logistics for Information Exchange**

- Notes: 1. Items are grouped to the degree practical to facilitate discussion and minimize manpower requirements during the entire meeting.
2. Items that changed status during the January reporting period are denoted with an asterisk.
3. The following OCRs have not reached a final disposition; however, further TERA or Midland Project actions have been identified during past public meetings. Accordingly, discussions are not contemplated by TERA unless the Midland Project has identified new information that is pertinent to the ongoing activities.

o C-005	o C-088
o C-026	o F-031
o F-036	o C-038
o C-048	o F-043
o F-053	o F-052
o C-084	o C-087
	o C-089



# MIDLAND INDEPENDENT DESIGN AND CONSTRUCTION VERIFICATION OPEN, CONFIRMED AND RESOLVED (OCR) ITEM REPORT

TYPE OF REPORT: OPEN \_\_\_\_\_ CONFIRMED X  
RESOLVED \_\_\_\_\_ ITEM

FILE NO. 3201-006  
DOC NO. 3201-008-C-153  
REV. NO. 1

DATES REPORTED TO: LTR 2/10/84 SRT \_\_\_\_\_ PROJECT TEAM/PROJECT MGR. 2/13/84  
PRINCIPAL-IN-CHARGE 2/14/84 CPC/DESIGN ORG. \_\_\_\_\_

**STRUCTURE(S), SYSTEM(S), OR COMPONENT(S) INVOLVED:**

Auxiliary Shutdown Panel (2C114)

**IDCV PROGRAM AREA OR TASK (IF APPLICABLE):**

AFW Control Systems (Topic 1.19-1)

**DESCRIPTION OF CONCERN:** Steam Generator (S/G) AFW isolation valve switches are arranged on panel 2C114 as shown below. Drawing J-909 shows demarkations which imply that Valves 3965A and 3970A isolate steam generator A while the other valves isolate steam generator B. This implication conflicts with P&ID M-439 which shows valves 3965A and 3970B isolating steam generator A and valves 3965B and 3970A isolating steam generator B. A similar apparent conflict exists on control board 1C11 in Unit No.1.

**SIGNIFICANCE OF CONCERN:**

The apparent conflict between the panel drawing and the P&ID could mislead the plant operator and result in operator error. It is suspected that a like problem exists on the main control board to C-11. (Drawings were not available to confirm this.)

RECOMMENDATION X OR RESOLUTION \_\_\_\_\_:

Process per PQAP.

**COMMENTS BY SRT (IF REQUIRED):**

SWITCH POSITION ON PANEL 2C114:

\*3965A  
\*3970A  
\*3970B  
\*3965B

\* Denotes relative switch position on the panel drawing

**REFERENCES (INCL. RELATED OCR ITEM REPORT NO.):**

P&ID M-439, Rev. 10, M-438, Rev. 10  
Drawings J-909, Rev.10, J-727, Rev.12

**SIGNATURE(S):**

LDB  
OCR ITEM REPORT  
ORIGINATOR  
2/10/84  
DATE

LDB  
LTR  
2/10/84  
DATE

HAL  
PROJECT MANAGER  
FOR PROJECT TEAM  
2/13/84  
DATE

JWB  
PRINCIPAL-  
IN-CHARGE  
2/14/84  
DATE

SRT (IF REQUIRED)  
\_\_\_\_\_  
DATE

## ATTACHMENT 2

### MIDLAND INDEPENDENT DESIGN AND CONSTRUCTION VERIFICATION PROGRAM

#### AGENDA FOR MARCH 1, 1984 CIVIL/STRUCTURAL REVIEW MEETING BECHTEL OFFICES ANN ARBOR, MICHIGAN

I. Estimated Time

Start: 1:00 PM  
Adjournment: 5:30 PM

II. Introduction and Opening Remarks

III. Discussion of Confirmed Items

Items will be addressed individually and fully statused prior to proceeding. Any required clarification will be provided by TERA, followed by a presentation of pertinent information by the Midland project representatives. A group discussion will follow to provide clarification on the information presented, to status and to identify any necessary action on the part of TERA or the Midland project.

Items

C-015  
C-069  
C-071  
C-077  
C-079  
C-099  
C-101 through C-108  
C-113 through C-117  
C-119 through C-122  
C-125  
C-130  
C-131

IV. Review of Future Plans and Commitments

V. Summary