



STONE & WEBSTER  
POWER  
COMPANY

Dean L. Quamme  
Site Manager  
Midland Project

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

December 7, 1983

50-329  
50-330

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

| PRINCIPAL STAFF |          |       |            |
|-----------------|----------|-------|------------|
| RA              | <i>h</i> | DRP   |            |
| D/RA            |          | DE    |            |
| A/RA            |          | DRMSP |            |
| RC              |          | DRMA  |            |
| PAO             |          | SCS   |            |
| SGA             |          | ML    |            |
| ENF             |          | File  | <i>for</i> |

*orig-13*

MIDLAND ENERGY CENTER GWO 7020

RESPONSE TO OPEN ITEMS

File: B1.1.7, 0655 UFI: 53\*50\*04, 99\*08 Serial: CSC-7060

Attached is our partial response to NIR-008. Please advise us of any comments you may have on the proposed action to close this NIR.

*Dean L. Quamme*

DLQ/DDJ/klp

cc: RAWells, MPQAD w/o attachments  
BHPeck, MEC w/o attachments  
NIReichel, MEC with attachments  
RJCook, NRC w/a  
JGKepler, NRC w/a  
JJHarrison, NRC w/a

DEC 19 1983

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PDR ADJCK 05000329  
A PDR

*IED 1.11*

CONSUMERS POWER CO.  
RECEIVED

Bechtel Power Corporation

DEC 02 1983

Post Office Box 2167  
Midland, Michigan 48640



Site Mgr.  
Midland Project

November 30, 1983

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

Attention: D.L. Quamme

Job 7220 Midland Project  
CONSTRUCTION REVIEW OF STONE &  
WEBSTER'S CCP OVERVIEW REPORT  
NO. 22  
BCCC-8751

|       |  |
|-------|--|
| DIO   |  |
| JTF   |  |
| JMB   |  |
| VMT   |  |
| TPT   |  |
| MR    |  |
| ALN   |  |
| LIA   |  |
| LVE   |  |
| NIR   |  |
| FILED |  |

1017-UF1  
99408

Dear Mr. Quamme:

Construction's review of Stone & Webster's Overview Report No. 22 identified one (1) open (Construction) action item (specifically S&W NIR No. 008).

Outlined below is Construction's partial response and proposed corrective action for the subject NIR.

The documents listed in the subject NIR will be incorporated into Rev. 3 to the Construction Training Matrices of the System Teams. Additionally, the Curriculum Committee is establishing a subcommittee to do a total review of all of the Training Matrices to verify their adequacy.

As an interim measure and to assure that the training is accomplished for those personnel currently assigned to the teams a memorandum was issued on November 29, 1983, requiring immediate training for those affected team personnel.

Construction's forecast for Rev. 3 to the Construction Training Matrices of the System Teams is January 15, 1984. Further correspondence on this subject will be forwarded to you at that time.

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

*GAH*  
GAH/MAD/BTF/lcc

Attachment: S&W NIR No. 008

CC: N. Reichel

Written Response Requested: No

STONE AND WEBSTER ENGINEERING CORPORATION  
NONCONFORMANCE IDENTIFICATION REPORT

QC1 15.01  
Attachment 4.1  
Revision 2

PAGE 1 OF 2

DATE OF NONCONFORMANCE:

NOVEMBER 8, 1983

NIR NUMBER

008

IDENTIFICATION/LOCATION OF ITEMS:

SYSTEM TEAM TRAINING MATRIX, REV.1, DATED JULY 20, 1983

DESCRIPTION OF NONCONFORMANCE:

During the review of the adequacy of the construction training matrices, a sample size of 50 training level assignments, representing a lot size of 318 assignments five unsatisfactory conditions were observed in the training level assignments. The System Team Training Matrix of the Construction Training Program was utilized to perform the review.

See the attached for unsatisfactory conditions observed. The five unsatisfactory conditions reported represents a reject condition for this lot size of 318.

11/10/83  
INITIATOR

DATE

11/9/83

PROGRAM MGR

DATE

October 10, 1983

CORRECTIVE ACTION BY:

IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

VERIFICATION SAT UNSAT

NEW NIR#

CONCURRENCE

INITIATOR

PROGRAM MGR

DATE

DATE

DATE

REMARKS

1. FPG 9.700, "System Team Charter"

FPG 9.700 appears on the "System Team Training Matrix" as a level "0" (no training required) for the system team field engineer, mechanical. Paragraph 5.2.7 of this procedure identifies the job responsibilities and reporting relationships for the system team field engineers. As such, a level of training of "0" (no training) is not satisfactory.

2. FPO 1.201, "Bechtel Assigned Post Turnover (PTO) Work".

FPO 1.201 appears on the "System Team Training Matrix" as a level "0" (no training required) for the system team field engineer, mechanical. In discussion with the Team #5 supervisor, it was noted that the Team members do get involved in Post Turnover Work. Because of this involvement by the Team members, a level of training of "0" (no training) is not satisfactory.

3. FIG 1.400 "Preparation, Review and Routing of Field Engineer's Reports."

FIG 1.400 includes responsibilities for several disciplines, ie; mechanical, civil, welding, and instrumentation as well as including responsibilities for the electrical discipline. The following conditions were noted as being unsatisfactory;

- (a) The "System Team Training Matrix" under the column entitled "Responsible Discipline" shows this procedure to be an electrical discipline procedure.
- (b) The "System Team Training Matrix" requires the field engineers of the mechanical and the instrumentation disciplines to receive a level "2" training whereas the field engineers of the electrical and welding disciplines receive a level "3" training. There is an inconsistency of training levels being assigned.

4. Specification M-214, "Piping System Erection Fit-up Control Requirements."

M-214 appears on the "System Team Training Matrix" as a level "0", (no training required) for the system team field engineer, welding. Specification pages 3, 5, 7B and 8 address welding. Also, weld fit-ups are addressed throughout this specification. As such, a level of training of "0" (no training) is not satisfactory.

5. Drawing E-039 - "Seismic Wireway Supports."

E-039 appears on the "System Team Training Matrix," as a level "0" (no training required) for the system team field engineer, welding. This drawing contains weld sizes and weld symbols for typical wireway supports. As such, a level of training of "0" (no training) is not satisfactory.

It is recommended that the disposition to this NIR include a commitment to verify the adequacy of all training matrices.