



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

Mr. J. G. Keppler, Administrator, Region III
Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

November 29, 1983
J.O. No. 14509
NRC File #83-11-29

RE: DOCKET NO. 50-329/330
MIDLAND PLANT - UNITS 1 AND 2
OVERVIEW OF THE CONSTRUCTION COMPLETION PROGRAM
REPORT NO. 24

A copy of the Construction Implementation Overview Report No. 24 for the period November 21, 1983 through November 23, 1983 is enclosed.

Because of the short work week, (two holidays), CIO activities were somewhat limited during this reporting period.

The report includes evaluations of CCP activities and matrices of observations, NIRs and Hold Points.

Very truly yours,

S. W. Baranow
Program Manager

SWB/fs

Enclosures

cc: JHarrison, US NRC Glen Ellyn, IL
RJCook, US NRC Midland (site)
DLQuamme, CPCo Midland (site)
RAWells, CPCo Midland (site)
RBKelly, S&W
APAmoruso, S&W

Report No. 24

November 21, 1983 through November 23, 1983

Personnel on Site

Stone & Webster Michigan, Inc.

A. Amoruso	D. Cooke	J. Seely
S. Baranow	R. Corson	W. Taylor
J. Barr	C. Marrs	J. Thompson
R. Carpeggiani	D. MacBay	S. Narayandas
J. Chawla	T. Parker	
W. Sienkiewicz	R. Scallan	

Meetings Attended

<u>Date</u>	<u>Attendees</u>	<u>Purpose</u>
November 21, 1983 and November 22, 1983	Consumers Power Company Bechtel Power Company Stone & Webster CIO MPQAD	Daily Staff Management Meetings
November 21, 1983 and November 22, 1983	Consumers Power Company Bechtel Power Company Stone & Webster CIO	Team Meetings
November 23, 1983	Consumers Power Company Bechtel Power Company Stone & Webster CIO	Team Supervisors Meeting

Meetings

November 21 and 22, 1983 - CIO attended daily meetings with staff management and supervision.

Subjects discussed at these meetings were as follows:

- A) Stop Work Order - The status of completion of FCR/FCN review and incorporation into design documents.
- B) Training - Status of Revision 2 of the Training Matrix, actions required to respond to the NIR issued by Stone & Webster CIO, assignment of a training coordinator in Ann Arbor.
- C) Procedures - Status of procedures, major restraints or delays.
- D) NCR - Backlog due to priority assigned to FCR/FCN review.

November 21, through November 23, 1983 - CIO personnel assigned to respective teams, attended team meetings for discussions of:

A) November 21, 1983

Team 5 - Meeting with Team Supervisor and head Field Engineer to discuss the readiness of the team to start status assessment.

The preparations made by Group III Teams for status assessment consist of:

- (a) Preparing mechanical checklists to perform status assessments to remain consistent with all teams within the group.
- (b) Holding on-the-job training (eight hours) for Instrumentation Engineers.

Other Groups (i.e., I and II) are not preparing for status assessment as in Group III.

B) November 22, 1983

Team 30 - CIO attended an informal, in-house training session on Sway Struts and Snubbers and Spring Canister installations. Topics discussed during this session consisted of:

- (a) Differences of design of manufacturer's equipment.
- (b) Procedural steps for inspection.
- (c) Identifying inspection techniques.
- (d) Use of specifications and manufacturer's catalogues.
- (e) Use of Load Capacity Data Sheets.

C) November 22, 1983

Teams 26 & 27 - Items discussed at this meeting were:

- (a) Observation #36 - FCNs would no longer be issued for non-Q items. The method for controlling changes is under discussion and will be described in the near future.
- (b) MPQAD is currently walking down and tagging all Low Alloy Quenched and Tempered Steel Bolts (LAQTS) used in Q systems.

The question was raised as to what impact the walkdown would have on Status Assessment. MPQAD advised that there will be no impact on Statusing as the walkdown will continue subsequent to Statusing and all nonconforming bolts will be identified.

A meeting has been scheduled with MPQAD and Area Teams to correlate activities relative to LAQTS. CIO will be in attendance at this meeting.

D) November 23, 1983

Team Supervisors Meeting - Items discussed were:

- (a) Non-Q hangers at the Standish facility are on "Hold" pending approval of the Coating Supplier.
- (b) Painting of Q interface walls in areas requested by CPCo (i.e., Uncontrolled Lab in Turbine Building) is on "Hold" due to Stop Work. CPCo will make the determination if these items will be Turnover exceptions.
- (c) MPQAD is reviewing the LAQTS program to determine if it is limited to Q bolts or is to include non-Q as well. Teams will be advised as to whether the LAQTS program will be separate or will be included in Phase I activities.

ACTIVITIES

1. Training Records

In response to CIO NIRs 002, 003, and 004, CIO was advised by issuance of completed QARs on November 21, 1983, that corrective actions have been completed.

CIO has reviewed the training records of the six (6) personnel addressed in the NIRs and determined that the corrective actions were satisfactorily accomplished.

CIO is preparing a sample plan to review training records of the thirty-nine (39) personnel previously identified in the original lot size of forty-five (45).

2. Preliminary Walkdown

CIO completed the assessment of the BHO preliminary walkdown in Module 340 on November 22, 1983. The walkdown was performed in accordance with CPCo procedure FPM 9.200, Rev. 1 Bulk Hanger Organization Hanger Walkdowns.

The evaluation of the implementation was judged to be satisfactory and in compliance with FPM 9.200, Rev. 1. Results of the evaluation have been documented on Checklist MP-MIS-042, Rev. 1 BHO Walkdowns.

CIO OBSERVATIONS

#35 Report No. 22, dated November 14, 1983, identified missing isolation spaces for galvanic protection of copper pipe to galvanized steel pipe supports.

A follow-up walkdown of this system, line number IYDD-4A was performed on November 21, 1983. The following corrective action had been performed:

1. Elevation 631'-0" - Tendon Area H5.1 - copper shim stock added as required.
2. Elevation 640'-0" - Tendon Area H5.1 - copper shim stock added as required.
3. Elevation 584'-0" - Room 112 - copper shim stock and plastic coated clamp added as required.
4. Elevation 595'-0" - Room 200 - copper shim stock and plastic coated clamp added as required.

It was determined that these isolation spacers for the galvanic protection were installed in accordance with Bechtel Power Corporation, Interoffice Memorandum from A. J. Boos, Dated May 4, 1979; Subject: Installation of Supports for Copper Pipe, 0-2264. CIO considers this observation open until a complete walkdown of the system has been accomplished.

#37 During the walkdown of the system described above, CIO observed two boards with protruding nails lying in Cable Tray 1AKA019 (Q Tray). CPCo personnel were advised of this condition. Upon removal of the boards it was observed that a Q cable, 9/C 14 AWG cable jacket was punctured. Cable is Q - channel A, 480 V. MCC.

An NCR C00925 was issued by MPQAD on November 22, 1983. CIO will track this item to assure that corrective action (repair) has been performed to approved procedures.

This observation remains open.

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REPORT NO. 24
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GENERAL

1. Resume of Mr. S. Narayandas, Trend Analyst, has been transmitted to Mr. J. J. Harrison, US NRC, Glen Ellyn, Illinois.

STONE & WEBSTER MICHIGAN, INC.
CONSTRUCTION IMPLEMENTATION OVERVIEW
NIR LOG SUMMARY

II #	MPQAD NCR NO. QAR NO.	SUBJECT	DATE OF ISSUE	DATE DISP. BY MPQAD	DATE CLOSED	REMARKS
01	N/A	Training Records	8/15/83	8/15/83	8/17/83	NIR Issued us closed-no cor- rective action required
02	QAR RT 00005	Forms from both procedures B-3M and B-3M-1 are intermixed in training records	10/4/83	10/12/83		
03	QAR RT 00006	Yearly vision examination was exceeded	10/4/83	10/12/83		
04	RT 00007	OJT training records not available in training records. Revision number not listed on OJT Record	10/4/83	10/12/83		
05	QAR RT 00011	Personnel Certification Form QA-116-1, Attachment D is unavailable in record files	10/4/83	10/12/83	10/20/83	Memo to CPCo ad- vising that NIR-005 can be closed out. Records for Level II certifications have been verified by CIO
06		Discrepancies in three areas of Construction Training Records	10/27/83			

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CONSTRUCTION IMPLEMENTATION OVERVIEW
NIR LOG SUMMARY

R .	MPQAD NCR NO.	SUBJECT	DATE OF ISSUE	DATE DISP.	DATE CLOSED	REMARKS
7		Discrepancies in two areas of Construction Training Records for the following teams No. 24, Field Procurement, Sub-Contractors, Management, Field Engineering Staff and Construction General Services Organization	11/7/83			
B		Five unsatisfactory conditions were observed in training level assignments during the review of the adequacy of the construction training matrices	11/14/83			

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CONSTRUCTION IMPLEMENTATION OVERVIEW
HOLD POINT LOG SUMMARY

NO.	SUBJECT	ORIGINATING DOC/DATE	CPCo RESPONSE DOC/DATE	STATUS OPEN/CLOSED	CLOSE-OUT DOC/DATE
001	Adequacy of drawings A8 - large bore pipe hangers. CIO established Hold Point when MPQAD issued 2 NCRs against the use of red-lined drawings which were voided by Project Engineering.	Report No. 6 7/25/83	Letter 8/9/83	Closed	Report No. 9 8/15/83
002	Material traceability of installed hangers(E3). CPCo response dated 7/1/83 indicated report on material traceability was to be issued in a timely manner. Due to uncertainty of when the report would be issued, a Hold Point was established by CIO.	Report No. 6 7/25/83	Letter 8/9/83	Closed	Report No. 9 8/15/83
003	Has a program been developed and responsibilities established for personnel assigned to process nonconformances? Has a meeting been held with Project Engineering to discuss methodology of processing non-conformances?	Report No. 6 7/25/83	Letter 8/9/83	Closed	Report No. 9 8/15/83

STONE & WEBSTER MICHIGAN, INC.
CONSTRUCTION IMPLEMENTATION OVERVIEW
HOLD POINT LOG SUMMARY

NO.	SUBJECT	ORIGINATING DOC/DATE	CPCo RESPONSE DOC/DATE	STATUS OPEN/CLOSED	CLOSE-OUT DOC/DATE
004	Evaluation of Phase I Management Review Committee meetings.	Report No. 1 6/3/83 through Letter of 6/30/83	Letters. 7/1/83 8/9/83	Closed	CIO Letter to J.G. Keppler dated 10/12/83
005	CPCo has committed to develop a Vendor Equipment Verification Program. Program is required before implementation of Phase II.	Report No. 18 10/17/83		Open	
006	NIRs 002, 003, 004 and 005 issued October 3, 1983 to address discrepancies observed during a sample inspection of Training Records of 6 of 45 MPQAD personnel. Corrective action must be completed before any inspections can be performed by the 45 personnel in question.	Report No. 18		Open	
007	Evaluation of Management Review of results of Phase I activities. Evaluation of Management Review Committee plans and procedures for Phase II implementation.	Report No. 19 10/24/83		Open	



Re-worded

STONE & WEBSTER MICHIGAN, INC.
CONSTRUCTION IMPLEMENTATION OVERVIEW
HOLD POINT LOG SUMMARY

NO.	SUBJECT	ORIGINATING DOC/DATE	CPCo RESPONSE DOC/DATE	STATUS OPEN/CLOSED	CLOSE-OUT DOC/DATE
008	<p>NIR 006 has been issued on October 27, 1983 to address discrepancies observed during the sample inspection of 2,054 Construction Training records of 31 members of Teams 5, 6, 8, 9, 12, 13, 16, 17, 19, 20, 25, 26, (27/28), 29, 30, 31, (32/33) and BHO staff.</p> <p>Corrective action must be completed before any walkdown, assessments can be performed by the personnel in question.</p>	Report No. 20 10/31/83	,	Open	
009	<p>NIR 007 has been issued on November 7, 1983 to address discrepancies observed during sample inspection of 834 Construction Training records of 18 members of Team 24, Field Procurement, Sub-Contractors, Management, F.E. staff and Construction General Services Organization.</p> <p>Corrective action must be completed before any walkdown, assessments can be performed by the personnel in question.</p>	Report No. 21 11/7/83		Open	

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CONSTRUCTION IMPLEMENTATION OVERVIEW
HOLD POINT LOG SUMMARY

NO.	SUBJECT	ORIGINATING DOC/DATE	CPCo RESPONSE DOC/DATE	STATUS OPEN/CLOSED	CLOSE-OUT DOC/DATE
010	<p>NIR 008 was issued November 14, 1983 to address 5 unsatisfactory conditions observed during the review of 50 training level assignments representing a lot size of 318 assignments on the System Team Training matrix of the Construction Training Program.</p> <p>Corrective action must be completed before any walkdown, assessments can be performed by the personnel in question.</p>	Report No. 22 11/14/83		Open	
011	<p>Prior to lifting of Stop Work Orders relating to the FCR/FCN Review and Resolution Program, CIO has established a Hold Point at the conclusion of Phase II activities to evaluate the adequacy of MPQAD performance during Phase I and Phase II activities. The Hold Point encompasses all the Stop Work Orders with the exception of Stop Work Order No. FSW-36 which has been lifted by MPQAD. This Hold Point does not apply to Phase III.</p>	Report No.23 11/21/83		Open	

STONE & WEBSTER MICHIGAN, INC.
MIDLAND NUCLEAR COGENERATION PLANT
CIO OBSERVATIONS

Observation Number	Observations	Originating Document/Date	CPCo Response Document/Date	Status Open/Closed	Close-Out Document/Date
034	NIR 008 issued on November 14, 1983 to address five unsatisfactory conditions observed during the review of 50 training levels assignments in the System Team Training Matrix of the Construction Training Program.	Report No. 22 11/14/83		Open	
035	CIO observed that dielectric isolation spacers for galvanic protection of copper pipe to galvanized steel pipe supports were missing in some areas on this system, Small Bore (Instrument Air) KAC Systems, drawing FSK-J-30-0220 Sheet 2 Rev. 7.	Report No. 22 11/14/83		Open	
036	At team meeting of teams 26 and 27 held on November 22, 1983, a decision that FCNs would no longer be issued for "noh-Q" items was discussed. The method for controlling changes has not been finalized.	Report No. 24 11/29/83		Open	
037	CIO observed that two boards with protruding nails lying in Cable Tray 1AKA019 (Q Tray) had punctured the cable jacket of a "Q" cable. The cable is Q-channel A, 480V. MCC. NCR C00925 was issued by MPQAD on November 22, 1983. CIO will track this item to assure that corrective action (repair) has been performed to approved procedures.	Report No. 24 11/29/83		Open	