

Report No. 13

November 14, 1983 through November 18, 1983

Personnel on Site

Stone & Webster Michigan, Inc.

A. Amoruso	D. Cooke	R. Scallan
S. Baranow	R. Corson	J. Seely
F. Bearham	J. Langston	W. Taylor
J. Barr	C. Marrs	J. Thompson
R. Carpeggiani	D. MacBay	R. Butler
J. Chawla	T. Parker	N. Weatherall
W. Sienkiewicz	A. Smith	S. Narayandas

Meetings Attended

<u>Date</u>	<u>Attendees</u>	<u>Purpose</u>
November 14, 1983 through November 18, 1983	Consumers Power Company Bechtel Power Company Stone & Webster CIO MPQAD	Daily Staff Management Meetings
November 14, 1983 through November 18, 1983	Consumers Power Company Bechtel Power Company Stone & Webster CIO	Team Meetings
November 15, 1983	Consumers Power Company Bechtel Power Company MPQAD Stone & Webster CIO	QVP Status Assessment
November 15, 16, 17, 1983	Consumers Power Company Bechtel Power Company MPQAD Zack Stone & Webster CIO	Area Team and System Team Review Meeting
November 17, 1983	Consumers Power Company Bechtel Power Company MPQAD Stone & Webster CIO	System Team Staff Meeting
November 18, 1983	MPQAD Bechtel Power Company Stone & Webster CIO	CIO Sampling of FCR/FCNs
November 18, 1983	Consumers Power Company Bechtel Power Company Babcock & Wilcox Zack Owens-Corning Grinnell Stone & Webster CIO	Weekly Sub-Contractors Meeting

Meetings

November 14, through November 18, 1983 - during this period, CIO attended daily meetings with staff management and supervision.

Subjects discussed at these meetings were:

- (A) Stop Work Orders - percent completion of Phase I and Phase II activities were addressed. In addition, tentative schedules were addressed of work in all categories covered by Stop Work Orders.
- (B) NonConformance Reports - The details of each NCR were discussed to decide whether the nonconformance was representative of a generic problem. Also discussed were the preventative actions that could be undertaken.
- (C) Training - Bechtel Power Company advised that a revision to the Training Matrix is in the approval cycle and scheduled for issue in the near future. Due to layoffs and the availability of instructors, classes are being re-scheduled for presentation upon completion of the FCR/FCN Review and Resolution Program.
- (D) Document Control - a concerted effort is continuing in the reconciliation of the Design Master Log versus numerous Field Logs.
- (E) Procedure approval and Issuance - Bechtel Power Company management requested the latest status of procedure approval and issuance and asked that responsible personnel devote more time in expediting the development, approval and issuance of required procedures.
- (F) Project Priorities - The project has designated the following activities to be priority items:
 - 1) the need to be responsive in closing-out CPCo commitments to the US NRC and of identified US NRC open items.
 - 2) the need to have all required design documents in place for start of CCP.
 - 3) activities to support Phase I of the CCP
 - 4) activities to support the Remedial Soils Program
 - 5) dispositions to be provided in a timely manner to expeditiously close out FCR/FCNs that are in the Resolution Phase.
 - 6) completion of the remainder of the design activities.
 - 7) any activity to support Phase II of the CCP plus any activity to support B&W or Zack.

November 14 through November 18, 1983 - CIO personnel assigned to respective teams, attended team meetings for discussions of:

- A) Team 12 - Raceway Team Organization and responsibilities were established and identified.
 - turnover packages - 60% were rejected by the Test Engineer for incorrect revisions, illegibility, typing errors. Corrective Action: lead system FEs will submit preliminary turnover packages for review by Test Engineer prior to walkdown.
- B) Teams 26, 27, 28 - Punchlist Coordination Meeting. The purpose of this meeting was to standardize the method of assembling and reporting commodity totals.
- C) BHO Team Staff Meeting - introduction of C. Marrs and W. Taylor of CIO to J. Horn (BHO Supt). Discussion focused on start of CIO evaluation of the BHO Preliminary Hanger Walkdown. In a discussion with MPQAD, CIO was advised that:
 - a) 500 large bore pipe hangers will require reinspection due to location changes
 - b) 200 large bore and small bore hangers will be reinspected upon lifting of the Stop Work Orders. CIO shall perform a sample inspection of these activities
- D) Team 19 - discussion centered on training assignments to Code Level 3. It was strongly emphasized by the team supervisor that individual members of the team must periodically meet with the supervisor for review of scheduled reading assignments.
- E) Team 6 - discussions focused on establishing priorities of work activities currently underway and for future work activities of the CCP.
- F) Team 23 - items discussed were:
 - a) recall of all "old" FCR/FCN forms
 - b) "new" FCR/FCN forms scheduled for issue week of November 21, 1983
 - c) identification requirements of Q and non-Q items on Punchlists
 - d) team is currently developing guide lines for training and orientation of Field Raceway Engineers in order to provide uniform input by the Engineers for statusing and for non-Q work.

Team 14 - items discussed at the weekly meeting:

- a) electrical and mechanical commodity lists which required updating and return on October 24, 1983 has been re-scheduled to November 28, 1983
- b) Action items for Ann Arbor:
 - installation of Monitors - cost effectiveness
 - demolition of walls in electrical and civil areas for equipment ingress/egress
- c) Construction Punchlists (Units 1 and 2):
 - each system/discipline engineer is responsible for providing accurate descriptions of punchlist items
 - each item will be reviewed by Supervision for accuracy
 - updated punchlists will be given to the mapper, daily, for input into the computer
- d) members who will require additional training will be identified on the next revision of the Training Matrix

Teams 25, 26, 27, 28 & 29 - items discussed were open NCRs, it was learned that NCRs were being returned from Ann Arbor directly to the Initiator of the NCR, thereby bypassing the normal routing sequence. This is leading to lost or misplaced documents. This problem will be addressed by team representatives.

Discussion of area completion schedules to review short and long Term Area Turnover requirements and to establish methods of resolving problems which may impact on Turnover schedules.

It was discussed that certain areas of high priority to CPCo are found in low priority modules. These areas could be deferred or missed. CPCo and BPCo will meet to preclude this from occurring. CIO will be in attendance at this meeting.

November 15, 1983 - QVP Status Assessment Meeting. The major restraint affecting Module 340 continues to be the Stop Work Orders issued on the improper use of FCR/FCNs. A schedule for release of the Stop Work Orders has not been established.

November 15, 16, 17, 1983 - Area and System Team Meetings. At these meetings, the subjects of importance addressed were:

- status of resolution of restraints
- schedule of resolutions for removing restraints
- effect of the Stop Work Orders on restraints

Restraints discussed at weekly meetings are relevant to on-going activities rather than the CCP. Typically they fall into categories such as procurement delays, dispositions to NCRs, and delays in obtaining design or construction details. At each meeting, a review of response status and target dates for removal of restraints is discussed in detail and where necessary, an action is assigned.

November 17, 1983 - System Team Staff Meeting. At this meeting Team Supervisors and their assistants discuss items that could result in problems and their effect on Corrective Action.

Discussions centered on:

- improvement of hydrostatic testing
- construction work packages - 11 submitted to Supervision - 0 rejected
- re-scheduling and cancellations of training class

November 18, 1983 - FCR/FCN Review and Resolution Program. At this meeting a presentation was given by P. Milano, MPQAD and F. Thomas, BPCo of the functions and purposes of the FCR/FCNs, to CIO personnel. MPQAD and BPCo led CIO personnel step by step from the origin to completion of the FCR/FCNs.

CIO advise MPQAD that a sampling inspection of Phase I "good" FCR/FCNs for the civil and mechanical disciplines was scheduled for November 19, 1983. At the request of R. Wells, CIO delayed the inspections until November 22, 1983 to allow MPQAD to reaudit Phase I activities.

November 18, 1983 - Weekly Sub-contractors meeting subjects discussed at this meeting were as follows:

Babcock and Wilcox -NSSS

- 1) B&W submitted training program to CPCo for approval
- 2) B&W will use Bechtel system for evaluation of classroom training
- 3) B&W are in the process of re-organization of personnel
- 4) B&W announced that there has not been any change in status of open NCRs since the last meeting
- 5) All Q-work has stopped pending completion of B&W retraining

Zack-HVAC

- 1) Training program submitted to MPQAD for approval
- 2) Dispositioning of NCRs is proceeding on schedule
- 3) Verifying through Walkdowns that NCR reject tags have not been removed from rejected items
- 4) Removal of surplus rental equipment from job site

Owens-Corning

- 1) Owens-Corning to provide new milestone dates for insulation completion
- 2) Owens-Corning described the on-going method of providing status of hydrostatic testing

Grinnell

- 1) Approval not received from MPQAD of procedures for the Fire Protection System

ACTIVITIES

1) Training Records

CIO attended and evaluated on construction presentations of classes on:

- Area Release for Construction FPG 7.500 Rev. 1, FIG 7.510 Rev. 0
(This training course was evaluated by TET and was judged as unsatisfactory)

- Area Construction Completion Activities FIG 7.410 Rev. 1 (This training course was evaluated by TET and was considered satisfactory)
 - Area Status Assessment and Punchlist Development FPG 9.910 Rev (This training course was evaluated by TET and was considered satisfactory)
 - Bulk Hanger Walkdown FPM 9.200 Rev. (This class was not evaluated by TET at this presentation)
- 2) System Interaction Walkdown of the Auxiliary Building continues in accordance with Mark Technology Corporation (MTC) Procedure WTP-3-Q "Procedure for Performing Walkdowns of SSIP/S Target's."

Seven (7) interactions were analyzed and documented by Mark Technology Corporation (MTC). CIO witnessed six (6) interactions.

The evaluation of the implementation of the program was judged to be satisfactory and in compliance with MTC procedure WTP-3-Q. The CIO evaluation was performed utilizing Checklist MP-MIS-MJ-002.

- 3) Preliminary Walkdown - CIO performed a verification November 17 and 18, 1983, of the Bulk Hanger preliminary walkdown in Module 340. The walkdown was performed in accordance with the requirements of BPCo procedure FPM 9.200, Rev. 0 "Bulk Hanger Organization Hanger Walkdowns."

Hanger lists were generated by the Team to identify the present installation and inspection status. This data will be processed by being entered into a computer tracking, Material Labor Control System (MLCS).

The evaluation of the implementation of the program was judged to be satisfactory and in compliance with procedure FPM 9.200, Rev. 0. Results of the evaluation have been documented on Checklist MP-MIS-042 BHO Walkdowns.

GENERAL

- 1) Mr. R. G. Burns, Assistant Corporate QA Manager was on site November 15 and 16, 1983 for discussions on procedure development and staffing of CIO personnel.
- 2) The following personnel have been assigned to the CIO staff on November 14, 1983:
- Mr. Neal Weatherall, Mechanical QA Engineer
 - Mr. Ralph Butler III, Mechanical QA Engineer
 - Mr. Srinivasan Narayandas, Trending Analyst

Signed affidavits with resumes of Mr. Neal Weatherall and Mr. Ralph Butler have been transmitted to Mr. J. J. Harrison, US NRC. Signed affidavit of Mr. Srinivasan Narayandas has also been transmitted. His resume will follow when received.

- 3) Protocol Infraction - Copies of the Transcript of the US NRC/Public meeting held on November 10, 1983 were distributed to CPCo and BPCo management, in violation of paragraph 2 of the Protocol.

Mr. J. J. Harrison was advised of this infraction on November 17, 1983 and requested that a copy of the Transcript be transmitted to his office as required by the Protocol. A copy of the Transcript was presented to Mr. R. Cook, US NRC Senior Inspector (site) on November 18, 1983.

Corrective action was taken by CIO management by reinstructing CIO personnel of the Protocol requirements. A memorandum has been issued to all personnel advising that distribution of documents to CPCo, BPCo and sub-contractors will require management approval.

- 4) 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.

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
030	Need to review Vendor Equipment Verification Program - MPQAD/SMO	Report No. 5 7/18/83		Open	
031	NIRs 002, 003, 004 and 005 were issued on October 3, 1983 for discrepancies observed in the review of Training Records of 6 of 45 MPQAD personnel.	Report No. 16 10/3/83		Open	
032	NIR 006 issued on October 27, 1983 to address discrepancies observed during sample inspection of Construction Training Records of Teams 5, 6, 8, 9, 12, 13, 16, 17, 19, 20, 25, 26 (27/28) 29, 30, 31, 32/33 and BHC staff.	Report No. 20 10/31/83		Open	
033	NIR 007 issued on November 7, 1983 to address discrepancies observed in two areas during inspection of Construction Training Records for Teams No. 24, Field Procurement, Sub-Contractors, Management, Field Engineering Staff, and Construction General Services Organization.	Report No. 21 11/08/83		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	

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
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	

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	

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
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 (CHILGAN, INC.
CONSTRUCTION IMPLEMENTATION OVERVIEW
NIR LOG SUMMARY

NIR NO.	MPQAD NCR NO. QAR NO.	SUBJECT	DATE OF ISSUE	DATE DISP. BY MPQAD	DATE CLOSED	REMARKS
001	N/A	Training Records	8/15/83	8/15/83	8/17/83	NIR issued and closed-no corrective action required
002	QAR RT 00005	Forms from both procedures B-3M and B-3M-1 are intermixed in training records	10/4/83	10/12/83		
003	QAR RT 00006	Yearly vision examination was exceeded	10/4/83	10/12/83		
004	RT 00007	OJT training records not available in training records. Revision number not listed on OJT Record	10/4/83	10/12/83		
005	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 advising that NIR-005 can be closed out. Records for Level II certifications have been verified by CIO
006		Discrepancies in three areas of Construction Training Records	10/27/83			

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

NIR NO.	MPQAD NCR NO.	SUBJECT	DATE OF ISSUE	DATE DISP.	DATE CLOSED	REMARKS
007		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			
008		Five unsatisfactory conditions were observed in training level assignments during the review of the adequacy of the construction training matrices.	11/14/83			