



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, Illinois 60137

April 12, 1984

J.O. No. 14509
SWM-082

Docket No. 50-329/330
CIO Weekly Report No. 43
Construction Implementation Overview
Midland Nuclear Power Plant

The Construction Implementation Overview (CIO) Weekly Report Number 43, for the period April 2, 1984 through April 6, 1984, is enclosed.

This report includes a summary of CIO activities for the week and open items, NIRs, and Hold Points.

J. E. Karr
CIO Program Manager

Enclosures

DHA:NL

cc:
DLQuamme, CPCo Midland (site)
NIReichel, CPCo Midland (site)
RAWells, CPCo Midland (site)
JJHarrison, US NRC Glen Ellyn, IL
RJCook, US NRC Midland (site)
Public Document Room

8406190316 840614
PDR ADOCK 05000329
G PDR

APR 23 1984

Stone & Webster Michigan, Inc.
CONSTRUCTION IMPLEMENTATION OVERVIEW

- CIO -

WEEKLY REPORT

NUMBER 43

PERIOD - April 2, 1984 through April 6, 1984

	Contents	Page
I.	Overview.....	1
II.	Activity Summary.....	1
III.	Activity Details.....	2
IV.	General.....	3
V.	Attachments.....	4
	A. CIO Item Summary	
	B. Hold Point Summary	
	C. Nonconformance Identification Report (NIR) Summary	
	D. Meeting Summary	

CIO REPORT NUMBER 43

I. OVERVIEW

Status Assessment (S/A), Quality Verification Program (QVP), and the Hanger Reinspection Program (HRP) continued during this period. These activities are shown in Exhibit I by module and discipline.

Phase I activities for the Construction Completion Program (CCP) and the 'Q' activities leading to Turbine Roll continue to be the principle effort of CIO. There were six new modules released by the NRC for Phase I work during this period that are necessary for the "Auxiliary Flush to the Reactor Coolant System" Milestone.

CIO is concerned that interoffice memoranda used to clarify the status assessment process are not being cleared from any single point for logging, tracking or review. An Item will be issued to outline this concern.

The following items were reviewed by CIO during this period and have been commented on in Section III of this report: Document Control Program and Drawing Station Evaluation, Activities of Zack, B&W and HRP, and other CIO activities of a lower level of effort.

II. ACTIVITY SUMMARY

- A. CCP Activity Monitoring
- B. Document Control Assessments
- C. Diesel Generator Program
- D. NRC Commitment List
- E. Zack Program Evaluation
- F. B&W Program Evaluation
- G. HRP Program Evaluation

H. Attendance at Various Site Meetings

I. CIO Action to Close Out Items and NIR's as Responses are Received

III. ACTIVITY DETAILS

A. CIO overviewed the CCP activity in all active modules by witnessing work in progress, reviewing planning efforts and personnel qualifications, attending team meetings, and evaluating PQCI's.

CIO continues to follow the program integration efforts of CPCo and BPCo for the transition of activities from Phase I to Phase II of CCP.

Six additional modules were released by the NRC for CCP Phase I activity this week. These modules contain the systems which must be completed to support the "Auxiliary Flush to the Reactor Coolant System" Milestone.

Craft activities are concentrated on the activities and in the modules leading to Turbine Roll. To date, these are principally in the Non-'Q' areas. However, some 'Q' work is ongoing in those areas outside the scope of the CCP, such as Zack in the control room.

CCP activity continued to be satisfactorily accomplished and within the requirements of procedures.

B. CIO completed their review of the Document Control Program and the five satellite document stations. Deficiencies identified during this reporting period are described in NIR's 025, 026 and 027. They include four additional discrepant areas at Work Print Station 219, four documents at Work Print Station 309 that were discrepant, and at Document Control Stations 59 and 501, a discrepancy between drawings used by BPCo Field Engineers and the BPCo Document Control Center.

- C. NIR's will be written on purchase orders for ASME III material ordered from non-ASME III suppliers and for memoranda sent to the Purchasing Department which documented nonconforming conditions on received items in lieu of using NCR's for this purpose.
- D. CPCo Licensing continues to consolidate the NRC commitments into the Correspondence and Commitment Management System in a satisfactory manner.
- E. CIO reviewed the Zack HVAC activities in the control room area. They are on schedule and progressing satisfactorily.
- F. CIO reviewed B&W's activities in the reinspection of 15 Unit 2 hangers. B&W closed out nine NCR's during this reporting period.
- G. MPQAD has 43 certified inspectors and they have reinspected 45 pipe hangers in the Auxiliary Building. CIO is researching the process of "de"statusing hangers. Questions have been brought to the attention of MPQAD and CPCo as to the methods, procedures and control of "de"status activities (removal of hanger from HRP into status assessment as a result of redesign, deletion, etc.). CIO will continue to monitor this activity until a resolution is reached.
- H. The summary of meetings attended by CIO is in Attachment D.
- I. Activities related to CIO Items, Hold Points and NIR's are summarized in Attachments A, B and C respectively.

IV. GENERAL

- A. CIO staffing increased to 34 during this reporting period.
- B. The CIO Senior Overview Committee (Messrs. N. B. Cleveland, C. O.

Richardson, G. M. Schierberg, and A. J. Benecchi) were on site April 2 and 3, 1984. They were provided a review and update of ongoing CCP activities and conclusions, visited with CPCo management, and participated in a site tour to familiarize themselves with the plant and typical types of hardware discrepancies being identified through CCP activities.

C. Mr. R. G. Burns, S&W QA Manager, was on site April 4 and 5, 1984.

V. ATTACHMENTS

- A. CIO Item Summary
- B. CIO Hold Point Summary
- C. CIO NIR Summary
- D. Meeting Summary

STONE & WEBSTER MICHIGAN, INC.
 CONSTRUCTION IMPLEMENTATION OVERVIEW
 MIDLAND NUCLEAR COGENERATION PLANT

CIO ITEM SUMMARY

- NOTES: 1. ◁ identifies changes from previous report
 2. Closed items will be identified in the report for the week of closure and dropped from further reporting

No.	Classification	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
030	Tracked Action	Need to review Vendor Equipment Verification Program - MPQAD/SMO	Report No. 5 7/18/83			
037	Tracked Action	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 000925 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			Partial response (CSC 7244 dated 1/27/84) accepted via CIO letter SWMCP-024 dated 2/3/84. Closure pending cable repair during CCP Phase II.
043	Tracked Action	CIO Phase III evaluation of architectural/civil document control measures resulted in findings listed in the Item Notification (similar conditions are identified in MPQAD MQAR-DAT-1). CIO requests CPCo's plan for addressing the problems noted and for implementing and verifying corrective action on both MQAR-DAT-1 and this item.	Item Notification Report 1/6/84	Item Notification Report 1/17/84		Further CPCo response (CSC-7415 dated 3/5/84) details BPCo corrective action plan for document control ◁

CIO ITEM SUMMARY - CONTINUATION SHEET

No.	Classification	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
046	Tracked Information	CIO requests placement on distribution for documentation and procedures pertinent to the NRC Project Commitment Tracking Program, advance notice of related meeting and a schedule which addresses completion of these events.	Item Notification Report 1/18/84	Item Notification Report 2/8/84		Partial CPCo response - Implementation to take 8 to 12 months.
049	Tracked Information	A CIO review of document control methods resulted in the following observations: (1) Some uncontrolled specs contained controlled copies of FCRs, FCNs and SCNs; (2) Controlled documents are being "decontrolled" via a line-out method which is not proceduralized; and (3) CPCo DCC personnel are unaware of the Bechtel Ann Arbor method of identifying document transmittals as either controlled or uncontrolled.	Item Notification Report 1/26/84	Item Notification Report 2/3/84		CIO awaiting completion of CPCo corrective action.
051	Tracked Action	CIO requests to be informed of meetings regarding the proposed plan of action to address deficiencies identified in MPQAD Audit Report No. MSA-83-7 as well as a copy of the proposed plan one week prior to its implementation.	Item Notification Report 2/3/84			Partial response provided via CSC-7423 dated 3/6/84. CIO awaiting further CPCo action.
053	Tracked Action	As described in Section 4.2 of the CCP, CIO requests that CPCo provide a listing of all status assessment teams, the respective team's scope and their working schedule.	Item Notification Report 2/16/84	Item Notification Report 2/23/84		

CIO ITEM SUMMARY - CONTINUATION SHEET

No.	Classification	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
055	Tracked Information	Clarification is required regarding training requirements for area team #23/24 personnel performing status assessment of raceway completion.	Item Notification Report 2/17/84	Item Notification Report 3/15/84		Supplementary information requested by CIO (i.e., SA training matrices) provided by CPCo via CSC-7558 on 3/28/84.
058	Tracked Information	CPCo should review past audits to assure that applicable 10CFR50, Appendix B criteria were adequately addressed.	Item Notification Report 2/18/84	Item Notification Report 3/13/84		
059	Tracked Information	CPCo should review audits performed prior to June 1983 to assure adequacy of auditing, proper closeout, 10CFR50 Appendix B compliance, and objective evidence as to adequacy of the audits.	Item Notification Report 2/18/84	Item Notification Report 3/13/84		
060	Tracked Recommendation	CIO provides a series of recommendations in the following categories: 1) Management Involvement; 2) Tracking Audits/Audit Findings; and 3) Audit Personnel Training and Certification Records.	Item Notification Report 2/17/84	Item Notification Report 3/13/84		
061	Tracked Recommendation	CIO recommends that the receipt acknowledgement copy of the Bechtel transmittal form be revised to provide for a signature/date by the recipient.	Item Notification Report 3/2/84			

CIO ITEM SUMMARY - CONTINUATION SHEET

No.	Classification	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
062	Tracked Action	CIO has determined that status assessment is being performed on pipe supports by personnel who have not completed required training. All personnel performing hanger support status assessment should be checked to assure they are properly qualified. Any previous supports that were assessed by unqualified personnel should be reassessed.	Item Notification Report 3/6/84	Transmittal CSC-7580 4/4/84		BPCo response evaluated by CPCo and transmitted to CIO for acceptance.
063	Tracked Action	During a review of referenced drawings being used for status assessment, CIO identified a number of drawing identification and revision control discrepancies.	Item Notification Report 3/15/84			
064	Tracked Recommendation	CIO recommends implementation of MPQAD plan to consolidate welding inspection requirements for electrical/instrumentation equipment and supports into PQCI's CW-1.00 and EW-1.00.	Item Notification Report 3/16/84	Item Notification Report 3/30/84		See Attachment A, Sheet 5 of 6



CIO ITEM SUMMARY - CONTINUATION SHEET

<u>No.</u>	<u>Remarks</u>
064	<p>CIO has received a response to Item 064 and has determined that the response is acceptable. The response describes actions different from those actions previously proposed by MPQAD and described in CIO Weekly Report Number 36.</p> <p>Weekly Report Number 36 stated that MPQAD planned to have the requirements for inspection of welds on electrical equipment and supports in both CW-1.00 and EW-1.00. MPQAD has now stated that the requirements for the inspection of welds on electrical equipment and supports has been deleted from CW-1.00.</p> <p>This item currently remains open until verification by CIO that actions described in the MPQAD response have been completed.</p>

CIO ITEM SUMMARY - CONTINUATION SHEET

No.	Classification	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
065	Tracked Information	CIO recommends that Zack Procedure MB-FP-7C be revised to reflect the BPCo requirement that notification of addenda retirement information for BPCo documents is provided via a Subcontractor Change Notice (SCCN).	Item Notification Report 3/16/84			Partial response to Items 065, 066 & 067 provided in BPCo letter BCCC-9193
066	Tracked Information	CIO recommends that Zack revise either Procedure MP-FP-18 or Procedure MP-FP-23 in order that the method used to update the welder qualification matrix be properly addressed.	Item Notification Report 3/16/84			transmitted to CIO on 3/30/84. Revisions to MB-FP-5 and MB-FP-7C should be approved by 4/6/84.
067	Tracked Information	CIO recommends that Zack Procedure MB-FP-5 be revised to address required actions for incomplete and damaged items.	Item Notification Report 3/20/84			Revision to MB-FP-23 should be approved by 4/20/84.
068	Tracked Action	The Midland Plant FSAR (Table 3.2-4) specifies use of the 1974 Edition (no addenda) of the ASME III, Division 1 Code, Subsection NF (i.e., installation of hangers and supports for nuclear piping). A BPCo specification, as well as the B&W QA Program Manual, reference an earlier code edition in violation of ASME III, Division I, Article NA-1000 (1974 Edition). CIO requests the cause, resolution, and corrective/preventative action for this condition, as well as any potential impacts on site installations.	Item Notification Report 3/23/84			

STONE & WEBSTER MICHIGAN, INC.
 CONSTRUCTION IMPLEMENTATION OVERVIEW
 MIDLAND NUCLEAR COGENERATION PLANT

CIO HOLD POINT SUMMARY

NOTES: 1. ◁ identifies changes from previous report
 2. Closed Hold Points will be identified in the Report for the week of closure and dropped from further reporting

No.	Description	Established Document/Date	CPCo Response Document/Date	Lifted Document/Date	Remarks
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	CPCo Transmittal CSC-7573 dated 4/2/84		CPCo response consists of synopsis of the Vendor Workmanship Verification Program
007	Evaluation of Management Review of results of Phase I activities. Evaluation is required before implementation of Phase II.	Report No. 19 10/26/83			
015	CIO has requested that the requirements for the exclusive use of chromel-alumel thermocouples and extension wires for PWHT and certification of the accuracy of the thermocouples via a C of C be reinstated in PQCI PW-1.00. Release is contingent upon CIO review and acceptance of the calibration certification.	Hold Point Notification Report 2/1/84	Hold Point Notification Report 2/10/84	Hold Point Notification Report 4/2/84	

STONE & WEBSTER MICHIGAN, INC.
 CONSTRUCTION IMPLEMENTATION OVERVIEW
 MIDLAND NUCLEAR COGENERATION PLANT

NOTES: 1. ◁ identifies changes from previous report
 2. Closed NIRs will be identified in the report for the week of closure and dropped from further reporting

NONCONFORMANCE IDENTIFICATION REPORT SUMMARY

No.	Description	Issue Date	Response Date	Closure Date	Remarks
014	As documented on CIO Evaluation No. MP-MIS-074-0001, FPD 1.000 requirement that a copy of all transmittals for "Q" listed items be transmitted to MPQAD and the Project Supplier Quality Representative was not being satisfied.	01/27/84			
015	In violation of PSP G-7.1, correction fluid was used on MPQAD Audit Report No. M01-346-02.	02/17/84			
016	Contrary to their MPQAD Procedure F-1M definitions, "nonconformances" were documented as "observations" in Audit No. M01-346-02.	02/17/84			
017	The recommended corrective action for Audit finding 01F, Audit No. M01-346-02 was not implemented, yet the audit was closed out.	02/17/84			
019	As documented on CIO Evaluation No. MP-MIS-082-0001, several discrepancies were identified on the FDDL.	02/29/84	03/14/84		QAR RA-00134 issued to track corrective action.
020	As documented on CIO Evaluation No. MP-MIS-082-0001, 4 out of 25 Distribution Change Request Forms were not properly signed in violation of FPZ-1.000.	03/02/84	03/14/84		QAR RA-00135 issued to track corrective action.

CIO NONCONFORMANCE IDENTIFICATION REPORT SUMMARY - CONTINUATION SHEET

No.	Description	Issue Date	Response Date	Closure Date	Remarks
021	During a resampling/evaluation of the Construction Training Matrix in conjunction with the closure of NIR 008, two nonconformances were identified regarding requirements for training to BPCo field procedures.	03/12/84	04/04/84	04/06/84	Corrective action taken via QAR RT-00031
022	At Work Print Station 219, CIO reviewed 80 out of 1116 documents. 20 documents were found discrepant, as described in the NIR.	03/23/84			
023	At Work Print Station 209, CIO reviewed 80 out of 1116 documents. 23 documents contained discrepancies, as described in the NIR.	03/23/84			
024	At Document Control Station 501, CIO reviewed 200 out of 5533 drawings. A total of 13 discrepancies were identified, as described in the NIR.	03/23/84			
025	At Work Print Station 219, CIO found four additional discrepant areas at completion of evaluations.	04/03/84			
026	At Work Print Station 309, four documents were found by CIO to be discrepant.	04/03/84			
027	At Document Control Stations 59 and 501, discrepancy found to exist between control drawings used by BPCo field engineers and those in BPCo Document Control Center.	04/04/84			

STONE & WEBSTER MICHIGAN, INC.
 CONSTRUCTION IMPLEMENTATION OVERVIEW
 MIDLAND NUCLEAR COGENERATION PLANT

WEEKLY MEETING SUMMARY

Date	Meeting Title	Attendees	Discussion Topic	CIO Comments
April 2, 1984	MPQAD Audit	MPQAD CIO	1) Continued ongoing audit by MPQAD of CCP activities	No CIO concerns identified.
April 2, April 3, 1984	CIO Senior Overview Committee	S&W (Boston) CIO	1) Overview of CIO activities at Midland site (S/A and QVP)	No CIO concerns identified.
April 3 through April 6, 1984	Team Meetings	CPCo MPQAD BPCo CIO	1) Release of additional modules for S/A (letter CSC 7574 4-3-84) 2) Completion of S/A in Modules 102 and 120 3) Continuation of S/A to support turbine roll 4) Non-Q and Q interface work packages 5) Support for Auxiliary System Flush Milestone	No CIO concerns identified.
April 4, 1984	CCP Review	NRC CIO	1) Discussed training, NRC commitments, Phase I & 2 integration, document control and subcontractors	No CIO concerns identified.
April 6, 1984	Open Items	B&W CPCo BPCo CIO	1) Discussion on open items referred to in CIO Report Number 40	No CIO concerns identified.

CCP PHASE I ACTIVITY
April 2 - April 6, 1984

MODULE	S/A	QVP	HRP
102 East Auxiliary Bldg Pipeway to Eleva- tion 630	Electrical Piping & Hangers	Electrical	Hangers
120 Auxiliary Building Elevation 584	Electrical	Electrical	
* 180 Auxiliary Building Roof Elevation 704			
* 200 Control Tower & Electrical Penetrations	Electrical		
340 RCB except inside D rings, reactor cavi- ty & fuel handling	Hangers Electrical Instruments Piping	Electrical Coatings	
410 TGB #2 Elevation 614			
* 420 TGB #2 Elevation 634			
* 430 TGB #2 Elevation 659			
* 620 TGB #1 Elevation 634			
* 630 TGB #1 Elevation 659			
800 Service Water Pump House		Electrical Structural	

*Released for partial systems only

MODULE	S/A	QVP	HRP
101 North Auxiliary Building Pipeway to Elevation 650			Hangers
110 Auxiliary Building Elevation 568			Hangers
130 Auxiliary Building Elevation 599			Hangers
140 Auxiliary Building Elevation 614			Hangers
150 Auxiliary Building Elevation 634			Hangers
240 Control Room Elevation 659	Electrical		