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# STONE & WEBSTER MICHIGAN, INC.

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Nuclear Regulatory Commission  
799 Roosevelt Road  
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May 11, 1984

J.O. No. 14509  
SWM-107

Docket No. 50-329/330  
CIO Weekly Report No. 47  
Construction Implementation Overview  
Midland Nuclear Power Plant

The Construction Implementation Overview (CIO) Weekly Report Number 47, for the period April 30, 1984 through May 4, 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

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Stone & Webster Michigan, Inc.  
CONSTRUCTION IMPLEMENTATION OVERVIEW

- CIO -

WEEKLY REPORT

NUMBER 47

PERIOD - April 30, 1984 through May 4, 1984

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CIO WEEKLY REPORT NUMBER 47

I. OVERVIEW

Status Assessment (S/A), Quality Verification Program (QVP), Hanger Reinspection Program (HRP), and Turbine Roll activities continued during this reporting period. The Construction Completion Program (CCP) Phase I activities that are ongoing are indicated in Exhibit 1 by discipline and module.

The NRC and CIO released their hold points between CCP Phase I and Phase II activities, for Turbine Roll only, during this period. CPCo can now complete construction in the areas covered by the scope of the Turbine Roll boundaries.

A summarization of activities performed during this reporting period appears in Section II. The detail of these activities appears in Section III.

II. ACTIVITY SUMMARY

- A. CCP Activities Monitored
- B. Auxiliary Feedwater Pump Inspection Program
- C. Zack Program Evaluation
- D. CPCo 10CFR50, Appendix B, Assessment
- E. HRP Evaluation
- F. CIO Actions to Close Out NIRs and Items as Responses are Received
- G. Site Meetings Summary

III. ACTIVITY DETAILS (Paragraphs Correspond to Items in Section II)

- A. CIO overviewed the activities in all active modules. This overview

included witnessing work in progress, reviewing working documents, monitoring activities for adherence to procedures and attending team and subcontractor scheduling meetings.

The NRC released their hold point on the transition from CCP Phase I to Phase II activities for Turbine Roll when CIO provided clarification of their initial letter releasing their hold point. Clarification of the total Q Scope of the Turbine Roll activities was referenced in Turbine Roll package and the schedule for completion of the integration procedure that indicated how Phase I requirements are met before proceeding to Phase II will be completed on May 11, 1984. Clarification was provided during the meeting on May 2, 1984, as indicated in the Meeting Summary.

CCP activities continue to be accomplished satisfactorily and in accordance with the requirements of procedures.

- B. BPCo is disassembling the Auxiliary Feed Water Pumps in Units 1 and 2 under the supervision of the pump manufacturer. Pumps 1P05B and 2P05B have crack indications in the wear rings on the end of the pump rotor away from the driven end. NCRs have been written to document these indications.
- C. CIO concern on Zack welder qualification has been satisfactorily resolved. Zack work is mainly on duct installation in the control room and CIO is monitoring this activity. CIO found no procedural problems with the monitoring of Zack "Ongoing Training" procedures. This was a followup to the resolution of Tracked Item 065, 066, and 067 closed out last week.

- D. The CIO assessment of the CPCo 10CFR50, Appendix B, program continues. Criteria I through VI and XVIII have been assessed to date. No major problems have been observed by CIO evaluators.
- E. CIO is continuing to monitor the HRP activities in the active modules. During this reporting period, 52 additional hangers were reinspected by MPQAD in the Auxiliary and Reactor Containment Buildings. Our sampling has not uncovered any deficiencies in this group to date.
- F. Activities related to CIO Items, Hold Points, and NIRs are summarized in Attachments A, B, and C respectively.
- G. The summary of meetings attended by CIO is in Attachment D.

#### IV. GENERAL

- A. CIO staffing remained at 34 during this reporting period.
- B. The bimonthly status meeting with NRC Resident Inspectors was held on May 3, 1984.
- C. Messrs. J. W. Cunningham and T. J. Coughlin, Stone & Webster Engineering Corporation, QA Cost and Auditing Department, were onsite this week auditing the CIO Program.

#### 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
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.
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.

CIO ITEM SUMMARY - CONTINUATION SHEET

No.	Classification	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
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			As stated in CPCo Transmittal CSC-7583 dated 4/4/84, the proposed plan should be available by 4/20/84.
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		
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.
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		

CIO ITEM SUMMARY - CONTINUATION SHEET

No.	Classification	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
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	Item Notification Report 4/10/84		BPCo to include a signature/date line on their transmittal.
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, Page 4 of 7.



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
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			
070	Tracked Action	IOMs have been issued by various BPCo personnel to clarify the status assessment process. These IOMs are not being processed through any single point of administrative control.	Item Notification Report 4/10/84			
071	Tracked Information	CIO requests information regarding CPCo action resulting from NCR M01-9-9-075 which documented seven inconsistencies between the FSAR, a specification and AWS D1.1.	Item Notification Report 4/11/84			

CIO ITEM SUMMARY - CONTINUATION SHEET

No.	Classification	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
072	Tracked Information	CIO should be informed of action being taken to resolve administrative inconsistencies in B&W NDE procedures (i.e., NDE-PQ-RT-200, NDE-PQ-RT-201, and NDE-PQ-RT-202).	Item Notification Report 4/11/84			
073	Tracked Information	CIO requests B&W's documentation supporting required demonstration of Procedure NDE-PQ-MT-201, Rev 0 to the ANI.	Item Notification Report 4/11/84			
074	Tracked Action	During an evaluation of the site document control program, CIO has addressed a number of general concerns which must be addressed by CPCo.	Item Notification Report 4/13/84	Item Notification Report 5/5/84		
075	Tracked Information	CIO requests information regarding BPCo methodology for the development of certificates of compliance to meet ASME, Section III requirements.	Item Notification Report 4/17/84			
076	Tracked Information	CIO requests information regarding Project requirements for use of correction tape/fluid on Field Change Requests.	Item Notification Report 4/18/84			


## C10 ITEM SUMMARY - CONTINUATION SHEET

No.	Classification	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
078	Tracked Recommendation	Use of pencil on audit report was noted. C10 recommends establishment of policy of accepting only BLACK INK on quality records.	Item Notification Report 4/23/84			
079	Tracked Action	Concrete surface repairs in Module 800 E, F, & G were not inspected during QVP inspections for three concrete placements as required by PQCI C-1.40.	Item Notification Report 4/25/84			
080	Tracked Information	Short-term schedules, dated 4/27/84, indicate QVP inspection activities to PQCIs P-1.90, PI-2.90, M-2.00, P-1.10, P-2.30 and PI-1.90; A list of personnel certifications by PQCI, dated 4/13/84, does not indicate personnel certified to these PQCIs.	Item Notification Report 5/3/84			

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
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			Hold Point 007 was partially released for Turbine Roll only.



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
019	As documented on CIO Evaluation No. MP-MIS-082-0001, several discrepancies were identified on the FDD.	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.
022	At Work Print Station 219, CIO reviewed 80 out of 1116 documents. Twenty 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. Twenty-three 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			

400-001(NL)

CIO NONCONFORMANCE IDENTIFICATION REPORT SUMMARY - CONTINUATION SHEET

No.	Description	Issue Date	Response Date	Closure Date	Remarks
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			
028	Response to NIR 015 was not accepted by CIO. Requirements for making corrections to QA records should be proceduralized.	04/09/84	04/19/84	05/02/84	Corrective action performed via QAR RT-00032.
029	A BPCo memorandum requests revisions to seven Purchase Orders due to material/documentation discrepancies for received material in lieu of writing NCRs.	04/11/84			
030	BPCo ASME III Manual states that the PQAE shall assure that items are procured only from acceptable manufacturers. POs 7220-F-64832(A), Rev. 2 and 7220-F-64487(A), Rev. 1 reference manufacturers which are not listed on the ASME Evaluation Supplier Listing.	04/11/84			
031	CIO reviewed nine verification inspection reports for PQCI C-1.40. Discrepancies were found in all nine IRs.	04/20/84			

## C10 NONCONFORMANCE IDENTIFICATION REPORT SUMMARY - CONTINUATION SHEET

No.	Description	Issue Date	Response Date	Closure Date	Remarks
032	Horizontal separation requirements between "Q" conduit and "Q" cable tray of different channels without tray covers or barriers are not as per Drawing E42Q (Sht 99C, Rev 2; Sht 99D, Rev 3; Sht 99E, Rev 1; Sht 99E, Rev 2) for at least one instance.	04/30/84			

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

WEEKLY MEETING SUMMARY

Date	Meeting Title	Attendees	Discussion Topic	CIO Comments
May 1, 1984	Team Meeting	CPCo MPQAD BPCo CIO	1) Turbine Roll activities	No CIO concerns identified
May 2, 1984	Turbine Roll Activities	CPCo BPCo CIO	1) Clarification of scoped boundaries prior to Phase II activities  2) Programmatic evaluation of FPG-7.500 to assure satisfactory adherence to procedure requirements	No CIO concerns identified
May 3, 1984	Raceway Completion Team Meeting	BPCo CIO	S/A is being done in accordance with FPG-7.500 and not FPG-9.910 or the guide for S/A activities (Memory Key).	CIO will research
May 3, 1984	Team Meeting	CPCo MPQAD BPCo CIO	1) Team 22 is generating an NCR Punchlist.  2) Buildup of S/A personnel	No CIO concerns identified
May 3, 1984	S/A Meeting	BPCo CIO	Daily communication from teams to CIO of areas being status assessed	No CIO concerns identified

## WEEKLY MEETING SUMMARY - CONTINUATION SHEET

Date	Meeting Title	Attendees	Discussion Topic	CIO Comments
May 3, 1984	CCP Review	NRC CIO	1) Discussed CCo implementation of 10CFR50, Appendix B, Auxiliary Feed Water Pumps, Diesel Generators, Document Control, NIRs and Items and Soils-CIO interfaces.	No CIO concerns identified
May 4, 1984	Team Meeting	CPCo MPQAD BPCo CIO	Release for Phase II Turbine Roll activities and valve orientation	No CIO concerns identified
May 4, 1984	Subcontract Meeting	BPCo B&W Zack Owens Corning Transco Grinnell CIO	1) NCRs on Zack unqualified welders for shop work in 1981  2) B&W has accomplished 20 percent of their hanger reinspection.	No CIO concerns identified
May 4, 1984	Document Control Meeting	BPCo MPQAD CIO	1) MPQAD working on response to NIRs 022, 023 and 024  2) Discussed corrective action plan	No CIO concerns identified



CCP PHASE I ACTIVITY  
April 30 - May 4, 1984

Weekly Report No. 47  
 Exhibit 1  
 Page 1 of 1

MODULE	S/A	QVP	HRP
102 East Auxiliary Bldg Pipeway to Eleva- tion 630	Electrical	Electrical	Hangers
120 Auxiliary Building Elevation 584	Electrical Mechanical Instrumentation	Electrical Mechanical Instrumentation	
130 Auxiliary Building Elevation 599			Hangers
150 Auxiliary Building Elevation 634	Electrical		
240 Control Room Elevation 659	Electrical		
340 RCB except inside D rings & reactor cavity	Electrical Mechanical	Electrical	Hangers
800 Service Water Pump House	Electrical	Mechanical Electrical	
820 Diesel Generator Building	Electrical Mechanical		

CCP PHASE I ACTIVITY  
April 30 - May 4, 1984

Weekly Report No. 47  
 Exhibit 1  
 Page 1 of 1

MODULE	S/A	QVP	HRP
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120 Auxiliary Building Elevation 584	Electrical Mechanical Instrumentation	Electrical Mechanical Instrumentation	
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240 Control Room Elevation 659	Electrical		
340 RCB except inside D rings & reactor cavity	Electrical Mechanical	Electrical	Hangers
800 Service Water Pump House	Electrical	Mechanical Electrical	
820 Diesel Generator Building	Electrical Mechanical		