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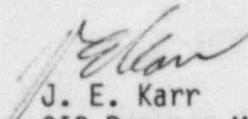
May 31, 1984

J.O. No. 14509
SWM- 129

Docket No. 50-329/330
CIO Weekly Report No. 49
Construction Implementation Overview
Midland Nuclear Power Plant

The Construction Implementation Overview (CIO) Weekly Report Number 49, for the period May 14, 1984 through May 18, 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

PRINCIPAL STAFF			
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Enclosures

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Stone & Webster Michigan, Inc.
CONSTRUCTION IMPLEMENTATION OVERVIEW

- CIO -

WEEKLY REPORT

NUMBER 49

PERIOD - May 14, 1984 through May 18, 1984

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CIO WEEKLY REPORT NUMBER 49I. OVERVIEW

During this reporting period, CIO continued assessment activities of the Construction Completion Program (CCP) including Status Assessment (S/A), the Quality Verification Program (QVP), the Hanger Reinspection Program (HRP) and Phase 2 work related to Turbine Roll. CCP Phase 1 activity is tabulated in Exhibit I.

The principal effort for CIO during this period was preparation for, and initiation of, the evaluation of Phase 1 completion and readiness for Phase 2 work in Module 120D. Other high priority tasks for CIO included CCP Phase 1 activities and the Phase 2 activities for the Turbine Roll.

These CIO activities and others requiring lower levels of effort during this reporting period are summarized in Section II and details are provided in Section III.

II. ACTIVITY SUMMARY

- A. CCP Activities Monitored
- B. CPCo 10CFR50, Appendix B, Assessment
- C. B&W Program Evaluation
- D. Document Control Assessment
- E. CIO Action to Close Out NIRs and Items as Responses are Received.
- F. Site Meeting Summary

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

A. CCP activities in all the active modules were overviewed by CIO.

This overview consisted of witnessing ongoing work, monitoring activities for adherence to procedures, attending team and subcontractor schedule meetings and reviewing working documents.

CIO began our evaluation of the completion of CCP Phase 1 and the readiness of CPCo to advance from Phase 1 to Phase 2 in Module 120D. The evaluation of Module 120D will include: a review of programs and procedures for integration of Phase 1 results into descriptions of present status of hardware and software, and work remaining to be completed; in depth verification of the hardware in the module; and, evaluation of the software for a representative sample of this hardware. CIO will also evaluate preparedness (procedures, training of personnel, construction punchlist of to-go work, etc.) for Phase 2 work.

CIO also attended the second Executive Management Review Committee meeting. Other attendees included CPCo, MPQAD, BPCo, NRC and CIO. The CPCo Executive Management Review Committee reviewed the status and results of Phase 1 work and preparedness for Phase 2. At the conclusion of the meeting, Action Items were identified and personnel assigned responsibility for completion. CIO will utilize and verify the information presented in this meeting during our evaluation of Module 120D.

In the HRP, sixty-five hangers were reinspected in the Auxiliary and Reactor Containment Buildings during this reporting period.

CIO is monitoring this HRP activity, which is continuing satisfactorily.

CCP field activities to date, continue to be accomplished satisfactorily and in accordance with procedural requirements. Previous issues raised by CIO relative to program completeness and integration are being evaluated at this time. Completion is projected for June 2, 1984.

- B. The CIO assessment of the CPCo QA Program Implementation versus 10CFR50, Appendix B, continued with Criteria IX, XI, XIII and XVII remaining to be completed. No major concerns have been identified by CIO.
- C. The Babcock & Wilcox (B&W) nondestructive examination procedure for visual inspection identified as a concern in CIO Report Number 48 was issued and was reviewed by CIO. This procedure was acceptable. B&W reinitiated hanger reinspection and CIO reviewed the resultant documentation packages. These were also satisfactory.
- D. CIO continued working with CPCo to closeout our concerns in the document control area. The augmented corrective action plan is now scheduled for completion in June.
- E. Activities related to CIO Items, Hold Points and NIRs are summarized in Attachment A, B, & C respectively.
- F. The summary of meetings attended by CIO is in Attachment D.

IV. GENERAL

- A. CIO staff increased to 37 during this period.

V. ATTACHMENTS

- A. CIO Item Summary
- B. CIO Hold Points 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 1AKA19 (Q Tray) had punctured the cable jacket of a "Q" cable. The cable is Q-Channel A. 480V, MCC. NCR C-00925 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. Updated response CSC-7704 dated 5/4/84.
046	Tracked Information	CIO requests placement on distribution for documentation and procedures pertinent to the NRC Project Commitment Tracking Program, advance notice of related meetings 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 Number 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		
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		Complete response via CSC-7756 dated 5/16/84
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		
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			

CIO ITEM SUMMARY - CONTINUATION SHEET

No.	Classification	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
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.
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	Item Notification Report 5/9/84		
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	Item Notification Report 4/25/84		

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.	Classifi- cation	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
072	Tracked Infor- mation	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 Notifi- cation Report 4/11/84	Item Notifi- cation Report 5/9/84		
073	Tracked Infor- mation	CIO requests B&W's documentation supporting required demonstration of Procedure NDE-PQ-MT-201, Rev 0 to the ANI.	Item Notifi- cation Report 4/11/84	Item Notifi- cation Report 5/9/84		
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 Notifi- cation Report 4/13/84	Item Notifi- cation Report 5/5/84		
075	Tracked Infor- mation	CIO requests information regarding BPCo methodology for the development of certificates of compliance to meet ASME, Section III requirements.	Item Notifi- cation Report 4/17/84	Item Notifi- cation Report 5/9/84		
076	Tracked Infor- mation	CIO requests information regarding Project requirements for use of correction tape/fluid on Field Change Requests.	Item Notifi- cation Report 4/18/84			

CIO 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. CIO 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 PQCI's 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			
081	Tracked Information	Five welds in Module 800 (welds 10 and 43 on line 30"-OHBC-33 and welds 8, 71 and 23 on line 30"-OHBC-34) have been coated and determined to be inaccessible as approved by R. Wells; however, other coated welds of a similar nature after this approval were cleaned of the coating for QVP. CIO has requested resolution to this inconsistency regarding inaccessibilities since the noted five welds are easily made accessible for QVP.	Item Notification Report 5/9/84			

CIO ITEM SUMMARY - CONTINUATION SHEET

No.	Classification	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
082	Tracked Recommendation	Recommendation to the Audits and Management Systems (A&MS Jackson) to meet the requirements of 10CFR50, Appendix B. 1. A&MS to review part audits for on and off site contractors. 2. Review findings and expeditious closing of two open audits 3. Use of liquid paper or correction tape for changes 4. Some difficulty experienced in retrievability of specific audit data.	Item Notification Report 5/14/84			
083	Tracked Action	Provide clarification of the intent of Procedure N-12 with regard to cable reinspections.	Item Notification Report 5/14/84			
084	Tracked Action	Deviations from PQCI, P-1.90 for QVP in Module 800.	Item Notification Report 5/17/84			
085	Tracked Action	Observations from CIO review of PQCI's that impact Phase 1 /Phase 2 release, Letter SWM-120.	Item Notification Report 5/18/84			

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

CTO 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 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	05/15/84	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	05/17/84	05/17/84	
025	At Work Print Station 219, CIO found four additional discrepant areas at completion of evaluations.	04/03/84	05/17/84	05/17/84	

C10 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 C10 to be discrepant.	04/03/84	05/17/84	05/17/84	
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			
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. PO's 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	C10 reviewed nine verification inspection reports for PQCI C-1.40. Discrepancies were found in all nine IRs.	04/20/84			
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			
033	NC conditions - PQCI C-1.90	05/14/84			

Weekly Report No. 49
 Attachment C
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STONE & WEBSTER MICHIGAN, INC.
 CONSTRUCTION IMPLEMENTATION OVERVIEW
 MIDLAND NUCLEAR COGENERATION PLANT

WEEKLY MEETING SUMMARY

Date	Meeting Title	Attendees	Discussion Topic	CIO Comments
May 15, 1984	Team Meeting	CPCo MPQAD BPCo CIO	1) Schedule for flooding Modules 800 E, F, and G	No CIO concerns identified
May 17, and May 18, 1984	Subcontract Meetings	CPCo MPQAD BPCo B&W Zack Transco Penetration Seal Grinnell Fire Protection	1) Zack action on closing NCRs is continuing. 2) Field detailing on penetration seals to start 3) Planning and maintenance on fire protection 4) B&W has a problem obtaining inspection coverage	No CIO concerns identified
May 17, and May 18, 1984	Team Meetings	CPCo MPQAD BPCo CIO	QVP has started in Control Room, Module 240A	No CIO concerns identified

MODULE	S/A	QVP	HRP
102 East Pipeway Auxiliary Bldg. Elevation 584' to 630'	Electrical	Electrical	Hangers
120 Auxiliary Bldg. Elevation 584'	Electrical	Electrical	
150 Auxiliary Bldg. Elevation 634'	Electrical		
130 Auxiliary Bldg. Elevation 599'			Hanger
240 Control Tower Elevation 659'	Electrical Instrumentation	Electrical	Hanger
340 RCB Outside D Rings	Electrical	Electrical Coatings	Hangers
800 Serv. Water Pump House	Electrical		
820 Diesel Generator Bldg.	Electrical Mechanical		