



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 1963, MIDLAND, MI 48641-1963

PRINCIPAL STAFF			
RA*	<i>W. S.</i>	OPRP	
D/RA		DE	
A/RA		DRMSP	
RC		DRMA	
PAO		SCS	
SGA		ML	
ENF		File	<i>MS</i>

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

April 19, 1984

J.O. No. 14509
SWM-089

Docket No. 50-329/330
CIO Weekly Report No. 44
Construction Implementation Overview
Midland Nuclear Power Plant

The Construction Implementation Overview (CIO) Weekly Report Number 44, for the period April 9, 1984 through April 13, 1984, is enclosed.

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

J. E. Karr
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

8406190328 840614
PDR ADDCK 05000329
Q PDR

APR 26 1984

Stone & Webster Michigan, Inc.
CONSTRUCTION IMPLEMENTATION OVERVIEW

- CIO -

WEEKLY REPORT

NUMBER 44

PERIOD - April 9, 1984 through April 13, 1984

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

CIO REPORT NUMBER 44

I. OVERVIEW

During this reporting period, Status Assessment (S/A), Quality Verification Program (QVP), Hanger Reinspection Program (HRP) and the Turbine Roll activities continued. Exhibit 1 indicates these Construction Completion Program (CCP) Phase I activities by discipline and module for S/A, QVP, and HRP for this reporting period.

The principal effort of CIO continues to be the ongoing assessment of CCP Phase I activities, Turbine Roll preparations, and Auxiliary Flush preparations.

Section II summarizes CIO activities during this reporting period. Section III provides details of these activities.

II. ACTIVITY SUMMARY

- A. CCP Activity Monitoring
- B. Document Control Assessment
- C. Diesel Generator Program
- D. NRC Commitment List
- E. Zack Program Evaluation
- F. HRP Evaluation
- G. CIO Action to Close Out NIR's and Items as Responses are Received
- H. Site Meetings Summary

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

- A. CIO continued our overview of CCP activity by attendance at team and subcontractor meetings, evaluating implementing PQCI's, witnessing work in progress in the plant, evaluating personnel qualifications and

monitoring adherence to procedures.

Planning and preparation activities are underway to start S/A for the six new modules released by the NRC for Phase I activity.

CIO concerns in S/A include the lack of a single procedure for S/A and the need to control the process of amplifying existing procedures. A good step-by-step procedure (FPG-9.910) exists for the performance of area S/A. However, no one procedure exists for system S/A. Interoffice memoranda (IOM's) and checklists with no administrative control are being used to augment procedures. This is addressed in CIO Item Number 070. CIO is not confident that system S/A is being performed in an orderly, consistent fashion between system teams for system commodities. CIO will continue to monitor this activity.

Except for our concerns above, activities continue to be accomplished satisfactorily and within the requirements of procedures.

- B. As reported in Weekly Reports 42 and 43, CIO found discrepancies at Work Print Stations 209, 219, 309 and Document Control Stations 59 and 501. NIR's 022, 023, 024, 025, 026 and 027 and Tracked Action Item 074 have been issued to document these discrepancies. CIO attended a presentation by CPCo and BPCo on the corrective action for the identified discrepancies in the Document Control Program. The program, as presented, should be effective in eliminating future problems and correcting presently identified deficiencies.
- C. Work has begun on Diesel Generator (2PEA) in Bay 3 on the removal of piping assemblies between the diesel generator skid and adjacent equipment. As reported in Weekly Report 43, CIO reported that purchase

orders for ASME III material were procured from non-ASME III manufacturers and that memoranda requesting revisions to seven purchase orders which documented nonconforming conditions on received items in lieu of NCR's were sent to the Purchasing Department. NIR's 030 and 029 were issued respectively to document these discrepancies.

- D. One hundred and sixty eight items that were commitments made to the NRC in the CCP have been entered into the Correspondence and Commitment Management System (CCMS). This CCP commitment list was entered on schedule and is the first milestone on the completion of the CCMS.
- E. CIO started an evaluation of Zack welder qualifications. No unsatisfactory conditions were encountered during this initial verification. Certification paperwork needs to be completed by MPQAD to complete this verification.
- F. In the HRP, 45 inspectors are certified and 122 hangers have been reinspected to date in modules 101, 102, 110, 120, 130, 140, and 150. CIO is formulating a sample plan to overview the HRP in module 102. Ten hangers will be checked for documentation and monitoring of MPQAD inspection.
- G. Activities related to CIO Items, Hold Points and NIR's are summarized in Attachments A, B and C respectively.
- H. The summary of meetings attended by CIO is in Attachment D.

IV. GENERAL

- A. CIO staffing remained at 34 during this period.
- B. Messrs. R. B. Kelly, SWEC QA Director, and R. G. Burns, SWEC QA Manager,

were onsite April 11 and 12, 1984. They attended the monthly NRC-CIO public meeting held at the CPCo office in Midland. Mr. Kelly participated in a site tour to familiarize himself with the plant and typical hardware deficiencies identified through CCP activities.

- C. The monthly NRC public meeting was held at the CPCo Midland office on April 12, 1984. The meeting participants were the NRC, CPCo and the CIO and soils investigation groups.

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

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

CIO ITEM SUMMARY

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	CPCo Transmittal CSC-7573 dated 4/2/84		Response consists of the synopsis of the Vendor Workmanship Verification Program.
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	Item Notification Report 4/11/84	
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		

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	Item Notification Report 4/10/84	
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	Item Notification Report 4/10/84		BPCo to include a signature/date line on their transmittal.

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 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
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 transmitted to CIO on 3/30/84. Revisions to MB-FP-5 and MB-FP-7C should be approved by 4/6/84. Revision to MB-FP-23 should be approved by 4/20/84.
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			
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			
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			

CIO ITEM SUMMARY - CONTINUATION SHEET

No.	Classification	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
070	Tracked Action	IOMs have been issued by various BPCo personnel to clarify the status assessment process. These IOM's 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 MO1-9-9-075 which documented seven inconsistencies between the FSAR, a specification and AWS D1.1.	Item Notification Report 4/11/84			
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			

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 the 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			

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

NONCONFORMANCE IDENTIFICATION REPORT SUMMARY

- 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

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	04/10/84	04/10/84	MPQAD response (i.e. QAR RB-00001) unsatisfactory. Reference new NIR 028.
016	Contrary to their MPQAD Procedure F-1M definitions, "nonconformances" were documented as "observations" in Audit No. M01-346-02.	02/17/84	04/10/84	04/13/84	Corrective action performed via QAR RB-00002.
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			QAR RA-00135 issued to track corrective action.

CIO NONCONFORMANCE IDENTIFICATION REPORT SUMMARY - CONTINUATION SHEET

No.	Description	Issue Date	Response Date	Closure Date	Remarks
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			
028	Response to NIR 015 was not accepted by CIO. Requirements for making corrections to QA records should be proceduralized.	04/09/84			

CIO NONCONFORMANCE IDENTIFICATION REPORT SUMMARY - CONTINUATION SHEET

No.	Description	Issue Date	Response Date	Closure Date	Remarks
029	In violation of the BPCo ASME III Manual, a BPCo memorandum requests revisions to seven Purchase Orders due to material/documentation discrepancies for received material.	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			

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

WEEKLY MEETING SUMMARY

Date	Meeting Title	Attendees	Discussion Topic	CIO Comments
April 9, 1984	NIR Meeting	MPQAD CIO	1) Initial response to NIR's 022, 023, and 024	No CIO concerns identified.
April 10, 1984	Area Team Staff Meeting	CPCo MPQAD BPCo CIO	1) Forecast distribution of structural steel and penetration drawings 2) Disposition of NCR applied to special doors 3) Revision to issuance of drill permits 4) Clarification of FPC-2.000 to be issued for CWP sign off for subcontracts	No CIO concerns identified.
April 10, April 11, 1984	Team Meetings	CPCo MPQAD BPCo CIO	1) Problems with NCR's generated by field engineers 2) Generating of CWP's to maintain backlog of work 3) New modules released for Phase I activities 4) Notification to lead field engineer for difficulties in obtaining S/A prints 5) New revisions to Spec. C-305 for S/A of structural steel 6) S/A raceway in modules 340, 800 and 820	No CIO concerns identified.
April 11, 1984	CPCo Document Control	CPCo BPCo CIO	1) Presentation on document control corrective action	No CIO concerns identified.

WEEKLY MEETING SUMMARY - CONTINUATION SHEET

Date	Meeting Title	Attendees	Discussion Topic	CIO Comments
April 12, 1984	Subcontract Meeting	Zack CIO	1) Discussion on proposed solution to three Zack tracked items	No CIO concerns identified.
April 12, 1984	NRC Public Meeting	NRC CPCo CIO	1) Monthly public meeting in Midland	No CIO concerns identified.
April 13, 1984	Subcontract Meeting	BPCo Zack B&W CIO	1) Better method of reporting installed quantities of HVAC duct work 2) BPCo to resolve with MPQAD the number of remaining Zack NCR's 3) B&W to review schedule and manpower to reflect program and funding for work in 1984	No CIO concerns identified.
April 13, 1984	QVP Assessment	MPQAD CIO	1) DIIA's and their transition to NCR or QAR 2) New draft of Procedure N-12 3) Microfilming to continue for the preservation of documentation	No CIO concerns identified.
April 13, 1984	Turbine Roll Meeting	MPQAD CIO	1) Discussion of status of sluice gates in Service Water Pump House.	No CIO concerns identified.

CCP PHASE I ACTIVITY
April 9 - April 13, 1984

Weekly Report No. 44
 Exhibit 1
 Page 1 of 2

MODULE	S/A	QVP	HRP
102 East Auxiliary Bldg Pipeway to Eleva- tion 630		Electrical	Hangers
120 Auxiliary Building Elevation 584		Electrical	Hangers
* 180 Auxiliary Building Roof Elevation 704			
* 200 Control Tower & Electrical Penetrations			
340 RCB except inside D rings, reactor cavi- ty & fuel handling	Hangers Electrical Instruments Piping	Electrical	
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	

*Released for partial systems only

400-001(NL)

CCP PHASE I ACTIVITY

(continued)

Weekly Report No. 44

Exhibit 1

Page 2 of 2

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		
820 Diesel Generator Building	Piping Hanger Electrical		