



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

PRINCIPAL STAFF			
RA	<i>Lee</i>	DPRP	
D/RA		DE	
A/RA		DRMSP	
RC		DRMA	
PAO		SCS	<i>orig+3</i>
SGA		ML	
ENF		File	<i>Karr</i>

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

March 26, 1984

J.O. No. 14509
SWM-063

Docket No. 50-329/330
CIO Weekly Report No. 40
Construction Implementation Overview
Midland Nuclear Power Plant

The Construction Implementation Overview (CIO) Weekly Report Number 40, for the period March 12, 1984 through March 16, 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

JEK: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 40

PERIOD - March 12, 1984 through March 16, 1984

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CIO REPORT NUMBER 40

I. OVERVIEW

During this reporting period, Status Assessment (S/A) and Quality Verification Program (QVP) activities continued. Additionally, activity in the area of the Hanger Reinspection Program (HRP) was initiated.

Overall activity levels were increased from previous reporting periods. This was due to the assignment of additional personnel and to the NRC release of additional modules for Phase I activity as identified in CIO Report Number 39. It is noted that this additional release by the NRC covers only portions of each released module. The release specifically identifies the systems which are necessary to support the turbine roll milestone of CPCo.

Exhibit 1 to this report identifies the modules currently released by the NRC and the S/A, QVP and HRP activity in each for this reporting period. The principal CIO activity during this period was the ongoing assessment of Construction Completion Program (CCP) Phase I activities. Overall, CCP activity continues to be performed in an acceptable manner. Some deficiencies were observed, however, and these are described in Section III, following.

During this reporting period, CIO also completed, continued, or initiated assessments of additional CPCo activity and the activities of Zack and B&W. These are described in the following sections of this report.

II. ACTIVITY SUMMARY

- A. CCP Activity Monitoring
- B. B&W ASME Program Activity Evaluation
- C. Evaluation of BPCo Site Auditing Activities
- D. Document Control Assessments
- E. Training Program Evaluation
- F. Review of Zack Welder Qualification Procedure
- G. Attendance at Various Site Meetings
- H. CIO Action to Close Out Open Items and NIR's as Responses are Received

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

- A. CIO overviewed the CCP Phase I activities underway in each active module during this reporting period. CIO reviewed personnel qualifications, checked documents in use, witnessed work in progress and reviewed resultant documentation. CIO also overviewed the dispositioning of NCR's by BPCo Field Engineers in Module 800. For the majority of work reviewed by CIO, all activities were performed satisfactorily and in accordance with procedures. CIO did, however, identify one deficiency. In one case, S/A was being performed using documents that were not marked "Status Assessment Print" or with an expiration date. These documents were being used as reference drawings and were stamped "Uncontrolled not to be used for Construction". This was identified as CIO Item Number 063.

On March 13, 1984, CIO met with CPCo, MPQAD and BPCo personnel relative to CCP progress and status. CPCo presented the current

status of CCP Phase I activity and reviewed with CIO their intent to request NRC release of additional modules for CCP Phase I activity in the near future. The CPCo presentation was essentially the same as that intended for use in a meeting with the NRC.

During the discussion which followed, CIO identified the following relative to CCP Phase I activity and the eventual transition to CCP Phase II.

- ° Insofar as field activities are concerned, CCP activity (S/A and QVP) is proceeding very well. With the exception of minor deviations (as identified in this and previous CIO reports), the program is considered satisfactory in all respects.
- ° CIO is concerned that the program integration necessary to identify the full scope of work required, status progress and report on completion, does not appear to be functioning well at this time. Although the point of transition to Phase II has not yet been reached, CIO's assessment is that integration should be an ongoing effort if problems are to be avoided in the future.
- ° CIC foresees difficulty in maintaining the administrative work load imposed by the current training program.
- ° CIO is still identifying inconsistencies in the site document control program implementation. These have been minor and isolated instances but, with increased work loads, more attention will have to be directed to this area if satisfactory performance

is to be maintained.

A further meeting was held between CIO and CCo, MPQAD and BCo on the above issues on March 15, 1984. Additional information was provided and discussed by each organization. CIO concerns remained the same. CCo indicated that they will continue to work to resolve issues raised by CIO.

- B. During this period, CIO initiated an evaluation of the B&W Quality Assurance Program with particular emphasis on contemplated work under the jurisdiction of the ASME Boiler and Pressure Vessel Code, Section III. The initial assessment work included a review of the Final Safety Analysis Report, B&W Program manuals and procedures and implementation documentation. The below listed issues have been identified to date which require further information to resolve or identify as CIO Items/NIR's. CIO will pursue these in the next reporting period.

- ° Procedures in the QC Manual were missing pages (four procedures of eleven reviewed).
- ° One NDE procedure appears to be unapproved by the Authorized Nuclear Inspector (ANI).
- ° BCo is not on B&W's approved ASME supplier's list but is providing material.
- ° BCo Certificates of Compliance provided to B&W appear deficient

in at least five instances.

- Current welding undercut requirements appear to conflict with specified codes and the FSAR.
- Uncertified torque paint may have been used on "Q" bolts.
- BPCo material withdrawal requests provided to B&W appear to be corrected improperly.

C. CIO conducted an evaluation of BPCo site auditing activities during this reporting period. Within the assigned scope of work for BPCo site personnel, the audit program is functioning adequately and in accordance with procedures (Re: Checklist MP-MIS-088-0001). Some attributes listed in CIO's evaluation checklist were not verifiable during this evaluation since they were the responsibility of BPCo's Ann Arbor or San Francisco office. These will be considered for inclusion in future CIO assessments.

D. During CIO overview of QVP activities in Module 340, two drawings were found on a pipe whip restraint. These were not controlled or stamped as Status Assessment Prints or Work Prints. Field Document Control was notified and the prints were removed. CIO has not identified the user of the documents to date or the reason they were in the field. This issue will be followed up by CIO next week.

CIO conducted an assessment of Zack document control procedures and practices. CIO found the procedures and practices to be acceptable

with one exception which was identified as CIO Item Number 065. This item identifies a discrepancy in Zack Procedure MB-FP-7C. The procedure references the SCN (Specification Change Notice) as the document used to notify Zack of addenda retirement information. The correct document is a SCCN (Subcontractor Change Notice).

CIO continued the review of document control concerns presented to CIO by a CCo employee. This activity should be completed prior to March 30, 1984.

E. CIO attended and evaluated the following training class:

- ° Issuing, Verifying and Documenting Terminations and Termination Reworks (FPE-9.200)

The training was conducted in an effective manner and in accordance with Procedure FPG-2.000 (Re: Checklist Number MP-MIS-035E-0019)

F. CIO reviewed Zack Welder Qualification Procedure MB-FP-18 during an ongoing assessment of Zack welding. The procedure was acceptable with the exception that the method for updating welder qualifications was not specified. This was issued as CIO Item Number 066.

G. Meetings attended by CIO are summarized in Attachment D.

H. Activity relative to CIO Items, Hold Points and NIR's is summarized in Attachments A, B and C respectively.

IV. GENERAL

A. CIO staffing remained at 33 during this reporting period.

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			
034	Tracked Action	NIR 008 issued on November 10, 1983 to address upgrading five training level codes in the System Team Training Matrix.	Report No. 22 11/14/83	N/A	Item Notification Report 3/12/84	Item closed subsequent to NIR closure. 
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.

CIO ITEM SUMMARY - CONTINUATION SHEET

No.	Classification	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
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		Ref. CPCo letter CSM-0719, 1/16/84
046	Tracked Information	CIO requests placement on distribution for documentation and procedures pertinent to the NRC Project Commitment Tracking Program, advance notice of related 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	Item Notification Report 1/26/84	Item Notification Report 2/3/84		CIO awaiting completion of CPCo corrective action.

CIO ITEM SUMMARY - CONTINUATION SHEET

No.	Classification	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
049	(Con't)	(3) CPCo DCC personnel are unaware of the Bechtel Ann Arbor method of identifying document transmittals as either controlled or uncontrolled.				
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.
052	Tracked Information	CIO requests copies of audit reports for audits performed by the NRC, CPCo and BPCo of site activities/organizations which addressed Criteria XVIII of 10CFR50 Appendix B.	Item Notification Report 2/3/84	Item Notification Report 3/12/84		A total of 40 audit reports have been provided by CPCo between 3/12/84 and 3/15/84.
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		

CIO ITEM SUMMARY - CONTINUATION SHEET

No.	Classification	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
056	Tracked Information	During a training evaluation for PQCI C-1.50, CIO observed discrepancies in the lesson plan. CIO requests a review to determine what impact these items have on the training provided. CIO further requests information on how MPQAD assures that document changes are referenced on the lesson plan.	Item Notification Report 2/17/84	Item Notification Report 2/29/84		
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 Certificate Records.	Item Notification Report 2/17/84	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
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			
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			CPCo has requested BPCo (Ref. CSC-7424 dated 3/7/84) to perform corrective action and respond by 3/12/84.
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			
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			


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			
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			

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			
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			
010	NIR 008 has been issued on November 10, 1983 to address upgrading five items in the System Team Training Matrix of the Construction Training Program. Corrective action must be completed before any walkdown assessments can be performed by the personnel involved in these training activities.	Report No. 22 11/14/83	N/A	Hold Point Notification Report 3/12/84	Hold Point closed subsequent to NIR closure. 
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		

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
008	Need to upgrade five training level codes in the System Team Training Matrix.	11/10/83	02/29/84	03/12/84	Reference completed checklist MP-MIS-045E-0002 and NIR 021. 
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 PSPG-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			
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			

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			Corrective action was initiated at the time of the evaluation in the form of changes to the appropriate matrices.

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

WEEKLY MEETING SUMMARY

Date	Meeting Title	Attendees	Discussion Topic	CIO Comments
March 12, 1984	NRC Meeting with CIO	NRC CIO	1) NRC was concerned that different revisions of documents in a package had the same SAP date.	Documents are attachments to SAP prints and can properly have different revisions. No problem identified.
March 13, 1984	Construction Status Meeting	CPCo BPCo B&W CIO	1) Discussed general status of construction	No CIO concerns identified.
March 13, 1984	Area Team Staff Meeting	CPCo MPQAD BPCo CIO	1) Status Assessment scheduled to be complete by 3/23/84 to support turbine roll 2) Discussed diesel generator work 3) Emphasized need to update MLCS 4) Discussed work required to support sub-contractor in Control Room	No CIO concerns identified.
March 13, 1984	CCP General Coordination Meeting	CPCo MPQAD BPCo CIO	1) Discussed CPCo plans for near term presentation to NRC on CCP status 2) Reviewed presentation to be made to the NRC in the near future on CPCo proposal for release of additional modules for CCP Phase I.	CIO identified concerns relative to integration of CCP Phase I results into a master list of plant status and work to go.

WEEKLY MEETING SUMMARY - CONTINUATION SHEET

Date	Meeting Title	Attendees	Discussion Topic	CIO Comments
March 13, March 14, and March 16, 1984	Group Staff Meetings	CPCo MPQAD BPCo CIO	<ol style="list-style-type: none"> 1) Discussed CIO NIR 021 (Training Matrix) 2) Status Assessment can begin in Control Room in two weeks if Module 240 is released 3) Emphasized training requirements 4) MLCS must be kept up to date 5) May get more modules released soon 	No CIO concerns identified.
March 13, 1984	HRP Action Items Meeting	CPCo BPCo CIO	<ol style="list-style-type: none"> 1) Discussed HRP status in Modules 102 and 120 2) Working to finalize baseline number of hangers 3) Thirty nine people are qualified for hanger reinspection 	No CIO concerns identified.
March 14, and March 15, 1984	Team Meetings	CPCo MPQAD BPCo CIO	<ol style="list-style-type: none"> 1) Need to support non-Q work with team personnel 2) Ensure files contain no unstamped "information only" drawings 3) Status of teams' activities for S/A and turbine roll support 4) Stressed update of MLCS 5) Reviewed results of self appraisal teams 6) Reviewed proper reporting of S/A results via NCR's, FCR's, FCN's, etc. 7) MPQAD inspections are to be requested using CWP's 	No CIO concerns identified.

WEEKLY MEETING SUMMARY - CONTINUATION SHEET

Date	Meeting Title	Attendees	Discussion Topic	CIO Comments
March 16, 1984	QVP Status Meeting	MPQAD CIO	1) QVP progress 2) Document Control is now publishing two register updates each day 3) Deviation Request processing is taking too long	No CIO concerns identified.
March 16, 1984	Subcontracts Meeting	CPCo BPCo B&W Zack CIO	B&W - Will have four inspectors; two are presently qualified . Zack - Scheduled completion of Control Room is 5/1/84	No CIO concerns identified.

CCP PHASE I ACTIVITY
March 12 - March 16, 1984

MODULE	S/A	QVP	HRP
102 East Pipeway to Elevation 630	Hangers Mechanical I & C Electrical	Instrumentation Mechanical	Mechanical Hangers
120 Auxiliary Building Elevation 584	Mechanical I & C Electrical	Mechanical	Hangers
* 180 Auxiliary Building Elevation 704 & above	Mechanical	Mechanical	
* 200 Control Tower & Electrical Penetrations		Architectural	
340 Reactor Building	Whip Restraints Mechanical I & C Electrical	Architectural Electrical Civil Mechanical Instrumentation	
410 Turbine Building Elevation 614			
* 420 Turbine Building Elevation 634			
* 430 Turbine Building Elevation 659			
* 620 Turbine Building Elevation 634			
* 630 Turbine Building Elevation 659			
800 Service Water Pump House	Electrical Whip Restraints	Mechanical Instrumentation	

*Released for partial systems only