



# STONE & WEBSTER MICHIGAN, INC.

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799 Roosevelt Road  
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March 16, 1984

J.O. No. 14509  
SWM-053

Docket No. 50-329/330  
CIO Weekly Report No. 39  
Construction Implementation Overview  
Midland Nuclear Power Plant

The Construction Implementation Overview (CIO) Weekly Report Number 39, for the period March 5, 1984 through March 9, 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:  
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NIRreichel, CPCo Midland (site)  
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Stone & Webster Michigan, Inc.  
CONSTRUCTION IMPLEMENTATION OVERVIEW

- CIO -

WEEKLY REPORT

NUMBER 39

PERIOD - March 5, 1984 through March 9, 1984

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## CIO REPORT NUMBER 39

### I. OVERVIEW

During this reporting period, Status Assessment (S/A) and Quality Verification Program (QVP) activities increased slightly from the previous week. The number of plant modules remained constant but several additional personnel were performing work and the number of commodities being status assessed or verified increased.

In Module 340 (Reactor Building), S/A was in progress in the civil, electrical, mechanical, and instrumentation and control disciplines. QVP activity included the architectural, civil, mechanical and electrical disciplines.

In Module 102 (East Pipeway to Elevation 630), S/A covered the civil, electrical and mechanical disciplines. There was no QVP activity in this module during this period.

In Module 120 (Auxiliary Building Elevation 584), S/A was in progress in the civil, electrical, mechanical, and instrumentation and control disciplines. There was no QVP activity in this module during this period.

In Module 800 (Service Water Pump House), S/A was in progress in the mechanical and electrical disciplines. QVP activity covered the architectural, civil, electrical and mechanical disciplines.

The principal CIO activity during this reporting period was the continued monitoring of both S/A and QVP activities.

Other CIO activities during this reporting period included:

- Field Document Control Center (FDCC) Monitoring
- Spatial Systems Interaction Program (SSIP) Review
- Training Program Evaluation
- Diesel Generator Program Follow-up
- Training Matrix Review
- NRC Commitment List Follow-up
- Review of CPCo Employee Concern
- Monthly NRC Meeting Participation
- Attendance at Various Site Meetings
- CIO Actions to Close Open Items and NIR's as Responses are Received

## II. ACTIVITY SUMMARY

- A. CCP Activity Monitoring
- B. FDCC Monitoring
- C. SSIP Review
- D. Training Program Evaluation
- E. Diesel Generator Follow-up
- F. Training Matrix Review
- G. NRC Commitment List Follow-up
- H. Review of CPCo Employee Concern
- I. Monthly NRC Meeting

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

- A. CIO overviewed the S/A and QVP activities in all active modules. This review included the personnel qualifications, documents in use, work in progress and documentation produced during the activity. In general, the work and the documentation were satisfactory and in

accordance with procedures. However, during the CIO check of personnel qualifications, one individual was identified who was performing S/A on hangers without the required training. Further discussion with BPCo personnel indicated confusion on the training requirements for these personnel (Mechanical Field Engineers performing S/A on hangers). CIO identified this as CIO Item Number 062.

In the area of overall program integration, CIO has not identified the specific mechanism to be used to combine the results of all CCP Phase I work in a comprehensive manner. The Construction Completion Program description includes this as an activity to be completed prior to initiating Phase II work. CIO is concerned that, at present, the methodology for accomplishment does not appear to have been defined. Further discussion of this area with CPCo is planned for the week of March 12, 1984.

- B. CIO continued monitoring FDCC activity during this reporting period. Progress has been made toward reestablishing Field Document Control Stations; however, none have been completed at this time. It remains CIO's intent to conduct sampling inspections of reestablished stations upon completion of work by FDCC.
- C. On March 7, 1984, CIO met with CPCo and Mark Technologies, Inc. (MTC) personnel to continue discussion of the SSI Program and Procedures. Based on CIO review of information previously supplied by MTC and further information provided during this meeting, the concern identified in CIO Report Number 36 relative to the 'target list' used

as the basis for conducting SSIP evaluations has been resolved. The target list originally provided to CIO was a preliminary list and did not address all parameters required in the SSI Program description. CIO has been provided a copy of the present list which contains all required information. CIO considers this matter closed.

During the CIO review of MTC program documentation, minor inconsistencies were noted between procedures. These will be addressed as a separate topic between CIO, CPCo and MTC.

D. CIO attended and evaluated the following training class:

- ° ISSUING, VERIFYING AND DOCUMENTING TERMINATIONS AND TERMINATION REWORKS (FPE-3.200)

The training was conducted in an effective manner and in accordance with Procedure FPG-2.000 (Re: Checklist Number MP-MIS-035E-019).

E. On March 7, 1984, CIO personnel attended a briefing conducted by CPCo to present to the US NRC the proposed program for continued diesel generator evaluation and installation. The program presented appeared comprehensive and effective and should lead to resolution of diesel generator related issues.

F. CIO completed the review of Revision 3 to the BPCo Training Matrix for non-manual personnel. With two exceptions, the review was satisfactory (Re: Checklist Number MP-MIS-045E-002). CIO documented the discrepancies in NIR-021 and closed CIO Item Number 34, CIO Hold Point Number 010 and NIR-008.



- G. On March 5, 1984, CIO met with CPCo personnel to discuss progress and status of the effort underway to incorporate NRC commitments into the overall Correspondence and Commitment Management System (CCMS). Priority is being given to those commitments related to construction in general and the Construction Completion Program. Progress to date is satisfactory. CIO will continue to monitor this activity.
- H. A CPCo employee identified a concern to CIO relative to document control during this reporting period. CIO is investigating the situation.
- I. CIO participated in the monthly NRC public meeting on March 8, 1984. During the meeting, CIO was informed of the following:
- ° NRC will approve additional CCP Phase I work in the near future.
  - ° NRC will approve limited CCP Phase II work in the near future (that needed to support the turbine roll milestone only).
  - ° NRC has reviewed and found acceptable all CIO resumes and affidavits submitted to date.

#### IV. GENERAL

- A. Mr. R. G. Burns, S&W QA Manager, was on site March 6, 7 and 8, 1984.
- B. CIO staffing remained at 33 during this reporting period.
- C. CIO reviewed MPQAD progress in updating PQCI's to reflect the latest revision to Procedure E-3M. As noted in CIO Weekly Report Number 36, PQCI's were to be updated by March 7, 1984. CIO review indicated that several active PQCI's had not been updated, those in the electrical discipline. MPQAD halted all work affected by those PQCI's until the required changes had been made. This action is appropriate and CIO

considers this item closed.


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			
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.
048	Tracked Action	Corrective action needed to rectify an inconsistency between anchor bolt specifications C-305 and C-306.	Item Notification Report 1/18/84	Item Notification Report 2/7/84	Item Notification Report 3/5/84	SCN 14001 to Spec C-306 received by CIO to close this item.
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.

C10 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	C10 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			
052	Tracked Information	C10 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			
053	Tracked Action	As described in Section 4.2 of the CCP, C10 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			
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			

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			
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			
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			


CIO ITEM SUMMARY - CONTINUATION SHEET

No.	Classifi- cation	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
061	Tracked Recommen- dation	CIO recommends that the receipt acknowledgement copy of the Bechtel transmittal form be revised to provide for a signature/date by the recipient.	Item Notifi- cation 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 Notifi- cation Report 3/6/84			CPCo has re- quested BPCo (Ref. CSC-7424 dated 3/7/84) to perform corrective action and respond by 3/12/84.
064	Tracked Recommen- dation	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 Notifi- cation 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			
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			



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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
008	Need to upgrade five training level codes in the System Team Training Matrix.	11/10/83	02/29/84		Response via QAR RT-00021
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			

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WEEKLY MEETING SUMMARY

Date	Meeting Title	Attendees	Discussion Topic	CIO Comments
March 5, 1984	NRC Commitments	CPCo CIO	Discussed status and progress of NRC Commitment List Program	No CIO concerns identified
March 6, 1984	Area Team Staff Meeting	CPCo MPQAD BPCo CIO	<ol style="list-style-type: none"> <li>1) Continued emphasis on training</li> <li>2) Discussed turbine roll support</li> <li>3) Assignment of personnel to S/A is Lead Field Engineer responsibility</li> <li>4) Zack &amp; B&amp;W can do Q work and teams can work in support of these</li> <li>5) CPCo is going to propose to the NRC that additional modules be released for CCP Phase I activity</li> </ol>	No CIO concerns identified
March 7, March 8, and March 9, 1984	Team Meetings	CPCo MPQAD BPCo CIO	<ol style="list-style-type: none"> <li>1) Turbine roll support</li> <li>2) S/A progress</li> <li>3) Training of team personnel</li> <li>4) Control Room Team will be assigned to Group II and become Team 95</li> <li>5) Team 18 will be working non-Q only</li> <li>6) Release of additional modules for CCP Phase I</li> <li>7) Keep MLCS up to date</li> </ol>	No CIO concerns identified

## WEEKLY MEETING SUMMARY - CONTINUATION SHEET

Date	Meeting Title	Attendees	Discussion Topic	CIO Comments
March 7, 1984	Diesel Generator Meeting	CPCo BPCo NRC CIO	1) CPCo presented program for continuation of work on diesel generators	No CIO concerns identified
March 7, 1984	SSIP Meeting	CPCo MTC CIO	Discussed SSI Program and Procedures	CIO to follow-up with request for clarification of procedures to MTC via CPCo
March 7, 1984	B&W Overview	B&W CIO	CIO reviewed with B&W the overview activities we anticipate relative to the B&W Hanger Reinspection Program	No CIO concerns identified
March 9, 1984	QVP Assessment	MPQAD CIO	1) Computer input and microfilming 2) Trend codes for coatings 3) Progress of QVP activity	No CIO concerns identified