



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

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United States Nuclear Regulatory Commission
Midland Site Resident Office
Route 7,
Midland, Michigan

July 3, 1984

J.O. No. 14358
Ref. MPF 93

Attention: Mr. B. L. Burgess

DOCKET NO. 50-339/330
MIDLAND PLANT UNITS 1 & 2
INDEPENDENT ASSESSMENT OF UNDERPINNING
REPORT NO. 93

A copy of the Independent Assessment of Underpinning Weekly Report No. 93 for the period of June 24, 1984 through June 30, 1984 is enclosed with this letter. Included as attachments are the minutes of the daily meetings held during the week between members of the Assessment Team and Site Engineering, Construction, and Quality Assurance personnel.

If you have any questions with respect to this report please contact me at (617) 589-2067.

D.A. Bense for A. Stanley Lucks
A. Stanley Lucks
Project Manager

Enclosures
ASL/pd

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JUL 03 1984

J.O. No. 14358
Midland Plant
Units 1 & 2
Independent Assessment of Underpinning

Weekly Report No. 93

June 24, 1984 through June 30, 1984

Personnel on Site

Stone & Webster Michigan, Inc.

P. Majeski	6/24 - 6/27
D. Benvie	6/25 - 6/29
D. Zito	6/25 - 6/29

Parsons Brinckerhoff Michigan, Inc.

B. Metros	6/26 - 6/29
J. Ratner	6/29

Meetings Attended

<u>Date</u>	<u>Represented</u>	<u>Purpose</u>
6/25 - 6/26	Stone & Webster	Daily Assessment
6/28 - 6/29	Bechtel Consumers Power Parsons	Team Meeting

Underpinning and Remedial Soils - Construction

E/W5 Grillages: Initial load transfer was completed.

Piers CT 3/10: Initial load transfer and reserve capacity load jacking was completed.

All remaining work has been suspended pending negotiations for financing completion of the plant.

Assessment Team Observations

The Assessment Team completed a review of the Contractor's contingency plans for securing the underpinning operations in the event of suspension of plant construction. All jacking operations associated with E/W5 grillages and the CT 3/10 piers including reserve capacity load jacking and the routine re-jacking required after initial load transfer will be completed. All the remaining piers and grillages beneath the EPAs and Control Tower will be re-jacked for load verification and locked off at the required loads. The drifts to piers CT 5/8, E/W3, W17 and the enlargement of the E17 drift will be secured as required for the short term with long term plans to be finalized at a later date. The shaft excavation for pier W17 will be backfilled. A technical assistance contract will be developed between the underpinning Subcontractor and CP Co to provide support for future maintenance re-jacking of the Auxiliary Building piers and grillages. The water level in the cooling water reservoir will be lowered as needed to allow deactivation of the freeze wall and the dewatering system. Sumps and pumps will be installed in both the Auxiliary Building east and west access shafts to control surface water run-off and any localized seepage.

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The SWPS east and west shafts will be backfilled to plant grade (El. 632'±). Lean flyash backfill will be placed to El. 621' within the east access shaft where the lower bracing system has not been installed. The balance of the east access shaft and all the west access shaft will be filled with structural backfill. Compaction of the fill will not be performed. The SWPS dewatering system will be discontinued as part of the contingency plan. Reading of instrumentation in the Auxiliary Building and SWPS will be performed on a frequency which is presently being determined. The Assessment Team believes that these courses of action for securing the Auxiliary Building and SWPS in the event of suspension of construction are prudent measures and will adequately ensure the stability of the structures should construction work be halted for an extended period of time.

Work Activity Packages

The following Work Activity Package (WAPs) overviews are in the open response stage or have been completed during the past week.

<u>WAP No.</u>	<u>Title</u>	<u>Status</u>	
		(Opened)	(Closed)
46	Yard Area Permanent Dewatering System	6/5/84	6/29/84
85	Tiebacks and Struts at Piers E/W 2 thru 9	6/20/84	6/25/84

Nonconformance Identification Reports

The following Nonconformance Reports (NIRs) remain open or have been closed during the week.

<u>NIR No.</u>	<u>Description</u>	<u>Status</u>	
		(Opened)	(Closed)
26	Closure of Procedural Deficiencies	5/25/84	6/25/84

Open Items

Items discussed during meetings are categorized as follows:

OPEN ITEM - An item for which an action is required. The item will remain open until the required action has been taken. Tracking is required.

CLOSED ITEM - An item, usually brought forward by the Assessment Team that is discussed and adequately responded to. No tracking is required.

INFORMATION ITEM - An item brought forward to provide general background information regarding work, such as work status or an upcoming design change. No tracking is required.

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OPINION ITEM - An opinion or suggestion is given by the Assessment Team expressing an alternate construction or quality assurance technique. The opinion or suggestion is given as a possible alternate that may facilitate an operation.

CLOSES ITEM -XX-XX - This notation identifies an action that closes a previously identified open item. Tracking of the open item stops.

The following listing of all Open items from the Daily Meeting Notes with Bechtel and the text of the Weekly Reports. Carry-over items from past weeks which have been Closed this week are also listed.

<u>Item No.</u>	<u>Description</u>	<u>Closure</u>
74-21	US Testing Corrective Action	93-15
89-7	Level C Wale Bearing Plate Gap	Open
89-31	Retirement of "One Time Deviation" FCRs	Open
90-6	SWPS Duct Bank Cracks	Open
91-7	Pier Kc5 Bearing Plates	Open
91-21	MPQAD Inspection Reports for Concrete	Open
92-14	MPQAD Monitoring of Material Handling and Storage	Open
92-24	FCR Task Force Update	Open
93-5	Concrete Placement for the BWST Ring Beam Addition Within the Valve Pits	Open

D.A. Benzie for W.E. Kiker
 Project Engineer

D.A. Benzie for A.S. Furks
 Project Manager

Notes of Daily Meeting
Independent Assessment of Underpinning
Midland Plant, Units 1 & 2
Consumers Power Company

Held at Midland Site
Midland, Michigan
June 25, 1984

Present For:

<u>Consumers Power</u>	<u>Bechtel</u>	<u>MPQAD</u>	<u>Stone & Webster</u>
None	J. Fisher E. Cvikl J. Kelleher D. Lavelle	J. McMaster	D. Benvie P. Majeski D. Zito
			<u>Parsons Brinckerhoff</u>
			None

PURPOSE

This meeting is held each day to discuss items regarding the Independent Soils Assessment at the Midland Plant, Units 1 & 2.

DISCUSSION

Status Items

Item 93-1 - Auxiliary Building Underpinning Activities.

Load transfer for the CT 3/10 piers was initiated. Both piers will remain on active jacks at 110% of specified load until the acceptance criteria is met.

Load transfer for the E/W5 grillages is in progress. Maximum allowable upward building movement (30 mils) for the E/W5 grillages occurred at 115% and 125% of specified load, respectively, during initial loading. As a result, both grillages remain on active jacks at 125% of specified load until the acceptance criteria is met.

Finger drifting to the E/W3 piers began.

Drifting to the CT 5/8 piers was initiated. Orientation of the two vertical duct banks encountered in each of the drifts necessitate excavation, lagging and bracing modifications to permit advancement of the drifts.

(INFORMATION ITEM)

Item 93-2 - Pier Kc5 Bearing Plates.

In response to the Assessment Team question concerning a gap observed between two of the lower bearing plates for pier Kc5, E. Cvikl reported that a preliminary evaluation indicates that shimming of the gap may be required to increase contact area between the two plates. The gap was apparently caused during welding of the plates prior to loading. Welding material deposited between the plates prevented closing of the gap during subsequent pier loading. Mr. Cvikl reported that Engineering will evaluate the possibility of welding the plates subsequent to pier loading to prevent formation of gaps. (Item 91-7 remains OPEN)

Notes of Daily Meeting
Independent Assessment of Underpinning
Midland Plant, Units 1 & 2
Consumers Power Company

Held at Midland Site
Midland, Michigan
June 25, 1984

Item 93-3 - Material Storage and Handling Procedure Findings.

J. McMaster responded to the Assessment Teams request for information regarding MPQAD responsibility for monitoring of the Subcontractor's material handling and storage activity. QC performs a weekly inspection of material storage and handling activities while QA performs a periodic overview of the QC inspectors activities. The latest overview was performed at the end of 5/84. A complete MPQAD audit of the Subcontractor's material and storage handling activities was last performed in 6/83. Mr. Majeski noted that the most recent MPQAD material and storage handling inspection did not result in any findings, whereas the FSO Quality Engineers review performed last week resulted in a number of findings against the Subcontractor. J. McMaster responded that a QAR may be initiated to address possible revision of the Subcontractors work procedures to clarify material handling and storage requirements and provide for a more comprehensive QA inspection. (Item 92-14 remains OPEN) (INFORMATION ITEM)

Item 93-4 - NIR # 26 - Nonconformance Reports Associated With Concrete Testing.

J. McMaster provided the Assessment Team with a revised MPQAD response to NIR # 26, which was written as a result of deviations from procedural requirements associated with concrete testing. (NIR # 26 remains OPEN) (INFORMATION ITEM)

New Items

Item 93-5 - Concrete Placement for the BWST Ring Beam Addition Within the Valve Pits.

D. Zito discussed concrete placement activities on 6/22/84 for the Unit 2 BWST ring beam addition within the valve pit. It was noted that because of low concrete slump, the concrete became unworkable during placement, resulting in an unplanned construction joint. Mr. Zito asked what is being done to prevent this situation from occurring in the future. (OPEN ITEM)

Response Items

No response items were addressed.

Notes of Daily Meeting
Independent Assessment of Underpinning
Midland Plant, Units 1 & 2
Consumers Power Company

Held at Midland Site
Midland, Michigan
June 26, 1984

Present For:

<u>Consumers Power</u>	<u>Bechtel</u>	<u>MPQAD</u>	<u>Stone & Webster</u>
G. Murray	J. Fisher E. Cvikl J. Kelleher J. Darby	J. McMaster	D. Benvie P. Majeski D. Zito <u>Parsons Brinckerhoff</u> None

PURPOSE

This meeting is held each day to discuss items regarding the Independent Soils Assessment at the Midland Plant, Units 1 & 2.

DISCUSSION

Status Items

Item 93-6 - Auxiliary Building Underpinning Activities.

Piers CT 3/10 were locked off yesterday at 110% of specified load.

FCRs modifying excavation, bracing and lagging details to allow drifting to continue in the CT 8 drift have been issued.

(INFORMATION ITEM)

Item 93-7 - SWPS Duct Bank Cracks.

J. Darby discussed the ongoing evaluation of the crack, on the top of the most easterly duct bank at the SWPS. Local excavation was performed beneath the duct bank to expose the common concrete mudmat for the SWPS and the duct bank. Exposure of the top of the mudmat indicates that a void between the SWPS and the mudmat exists. The void varies in width from 1/8" to 3/16" in the area where the mudmat was exposed. No void was observed between the duct bank and the same mudmat. (Item 90-6 remains OPEN) (INFORMATION ITEM)

New Items

No new items were addressed.

Response Items

Item 93-8 - NIR # 26 - Nonconformance Reports Associated with Concrete Testing.

The Assessment Team has reviewed the revised MPQAD response to NIR # 26 which was written as a result of deviations from procedural requirements associated with concrete testing. The response states that the procedural violation which were related to moisture testing and air entrainment determination of concrete were a result of construction error. The appropriate FSO, MPQAD and US Testing personnel have been reinstructed to the procedural requirements for performance of these tests to ensure compliance with procedural requirements for future moisture and air entrainment testing. Based on this response, NIR # 26 is closed. (INFORMATION ITEM)

*CTL
Evaluation
report next
week see
meeting.*

Notes of Daily Meeting
Independent Assessment of Underpinning
Midland Plant, Units 1 & 2
Consumers Power Company

Held at Midland Site
Midland, Michigan
June 27, 1984

No meeting was held on this date.

Notes of Daily Meeting
Independent Assessment of Underpinning
Midland Plant, Units 1 & 2
Consumers Power Company

Held at Midland Site
Midland, Michigan
June 28, 1984

Present For:

Consumers Power

G. Murray

Bechtel

J. Fisher
E. Cvikl
J. Kelleher

MPQAD

J. McMaster

Stone & Webster

D. Benvie
D. Zito

Parsons Brinckerhoff

B. Metros

PURPOSE

This meeting is held each day to discuss items regarding the Independent Soils Assessment at the Midland Plant, Units 1 & 2.

DISCUSSION

Status Items

Item 93-9 - Auxiliary Building Underpinning Activities.

Reserve capacity load jacking for piers CT 3/10 was completed. The piers were locked off at 140% of the specified load.

The W5 grillage remains on active jacks at 125% of specified load until the acceptance criteria of 10 mils movement in a 24 hour consecutive period is achieved.

Reserve capacity load jacking for the E5 grillage was completed. The X jack beneath the turbine building was locked off at 110% of the specified load. The Y and Z jacks beneath the Control Tower were locked off at 127% and 133% respectively.

(INFORMATION ITEM)

Item 93-10 - US Testing Corrective Action.

J. Kelleher provided the Assessment Team with copies of the US Testing Quality Control Procedures with attached work instructions and documentation containing certification data for US Testing inspectors. The documentation list the certifications which individual US Testing inspectors have been qualified to. (Item 74-21 remains OPEN) (INFORMATION ITEM)

New Items

Item 93-11 - Weekly Report # 92.

The text of Weekly Report # 92 was reviewed. It was determined that all open items had been previously identified. (INFORMATION ITEM)

Notes of Daily Meeting
Independent Assessment of Underpinning
Midland Plant, Units 1 & 2
Consumers Power Company

Held at Midland Site
Midland, Michigan
June 28, 1984

Item 93-12 - Underpinning Contingency Plan for Plant Cancellation.

J. Fisher provided the Assessment Team with a copy of the underpinning contingency plans to be implemented for the Auxiliary Building and SWPS in the event of plant cancellation. (INFORMATION ITEM)

Response Items

No response items were addressed.

Notes of Daily Meeting
Independent Assessment of Underpinning
Midland Plant, Units 1 & 2
Consumers Power Company

Held at Midland Site
Midland, Michigan
June 29, 1984

Present For:

Consumers Power

G. Murray

Bechtel

E. Cviki
J. Kelleher

MPQAD

J. McMaster

Stone & Webster

D. Benvie
D. Zito

Parsons Brinckerhoff

J. Ratner

PURPOSE

This meeting is held each day to discuss items regarding the Independent Soils Assessment at the Midland Plant, Units 1 & 2.

DISCUSSION

Status Items

Item 93-13 - Auxiliary Building Underpinning Activities.

J. Kelleher reported that lock off of the W5 grillage will be performed today.

(INFORMATION ITEM)

Item 93-14 - SWPS Duct Bank Cracks.

E. Cviki reported that Resident Engineering's evaluation of the cracks on one of the SWPS duct banks has been completed and the data has been submitted to CTL. (Item 90-6 remains OPEN) (INFORMATION ITEM)

New Items

No new items were discussed.

Response Items

Item 93-15 - US Testing Corrective Action.

The Assessment Team has reviewed documentation listing certifications for individual US Testing inspectors and also completed a review of the US Testing Quality Control Procedures with attached work instructions. A review of the documentation indicates that US Testing has attained their goal of qualifying 90% of their inspection personnel to 20 or more certifications. The US Testing Quality Control Procedures with attached work instructions reviewed by the Assessment Team are comprehensive and provide the inspectors with complete guidelines for performing the various testing necessary for the underpinning activities. The Assessment Team believes that completion of these two activities will ensure that testing and inspection functions performed by US Testing are done in accordance with project and design requirements. (Item 74-21 is Closed)



STONE & WEBSTER MICHIGAN, INC.

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

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

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)
JHarrison, US NRC Glen Ellyn, IL
RJCook, US NRC Midland (site)
Public Document Room

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MAY 29 1984

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. CCo 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. CCo 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

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
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.

400-001(NL)

Weekly Report No. 47
 Attachment A
 Page 1 of 7

CIO ITEM SUMMARY - CONTINUATION SHEET

No.	Classifi- cation	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
051	Tracked Action	CIO requests to be informed of meet-ings 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 Notifi- cation 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 Notifi- cation Report 2/16/84	Item Notifi- cation Report 2/23/84		
055	Tracked Infor- mation	Clarification is required regarding training requirements for area team #23/24 personnel performing status assessment of raceway completion.	Item Notifi- cation Report 2/17/84	Item Notifi- cation Report 3/15/84		Supplementary information re-quested by CIO (i.e., SA training matrices) provided by CPCo via CSC-7558 on 3/28/84.
059	Tracked Infor- mation	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 Notifi- cation Report 2/18/84	Item Notifi- cation 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.

Weekly Report No. 47
Attachment A
Page 3 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			

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 PQCIs P-1.00, 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 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		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			

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			

Weekly Report No. 47
 Attachment C
 Page 2 of 3

CIO NONCONFORMANCE IDENTIFICATION REPORT SUMMARY - CONTINUATION SHEET

No.	Description	Issue Date	Response Date	Closure Date	Remarks
032	<p>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.</p>	04/30/84			

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

WEEKLY MEETING SUMMARY

Date	Meeting Title	Attendees	Discussion Topic	C10 Comments
May 1, 1984	Team Meeting	CPCo MPQAD BPCo C10	1) Turbine Roll activities	No C10 concerns identified
May 2, 1984	Turbine Roll Activities	CPCo BPCo C10	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 C10 concerns identified
May 3, 1984	Raceway Completion Team Meeting	BPCo C10	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).	C10 will research
May 3, 1984	Team Meeting	CPCo MPQAD BPCo C10	1) Team 22 is generating an NCR Punchlist. 2) Buildup of S/A personnel	No C10 concerns identified
May 3, 1984	S/A Meeting	BPCo C10	Daily communication from teams to C10 of areas being status assessed	No C10 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

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		



STONE & WEBSTER MICHIGAN, INC.

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

PRINCIPAL STAFF	
PA	DPRP
D/RA	DE
A/RA	DRMSE
IC	DRMA
AO	SCS
EA	ML
F	File

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

May 21, 1984

J.O. No. 14509
 SWM-122

Docket No. 50-329/330
 CIO Weekly Report No. 48
 Construction Implementation Overview
Midland Nuclear Power Plant

The Construction Implementation Overview (CIO) Weekly Report Number 48, for the period May 7, 1984 through May 11, 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:CN

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 48

PERIOD - May 7, 1984 through May 11, 1984

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D. Meeting Summary	
VI. Exhibit	
1. CCP Phase I Activity	

CIO WEEKLY REPORT NUMBER 48

I. OVERVIEW

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

The ongoing assessment of the CCP Phase I activities and the Phase II activities for Turbine Roll are the principal effort for CIO during this reporting period.

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

II. ACTIVITY SUMMARY

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

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

- A. CIO overviewed activities under the CCP active modules. This overview consisted of attendance at team and subcontractor scheduling meetings, witnessing ongoing work, monitoring activities for adherence to procedures and reviewing working documents.

CIO began preparation of the scope of our assessment of module 120D. This module is one room in the Auxiliary Building and the next to be requested by CPCo for transition from CCP Phase I to Phase II. This module will also be used by CIO to assess the integrated program for proceeding from Phase I to Phase II. "Q" hardware will be verified for location, orientation and configuration against the applicable documents and a document review will be made on a selected sample of this hardware.

CIO is monitoring the HRP Program in the active modules. Fifty-nine hangers were reinspected in the Auxiliary and Reactor Containment Buildings during this reporting period. No deficiencies have been uncovered in our sampling of this group to date. CCP activities continue to be accomplished satisfactorily and in accordance with procedural requirements.

- B. The CIO assessment of the CPCo 10CFR50, Appendix B, programs continues with Criteria I-VIII, XII-XIV, and XVIII, having been assessed to date. No major problems have been observed by CIO.
- C. As a result of CIO expressed concerns, Babcock & Wilcox (B&W) has imposed a "stop work" order on themselves due to weld inspectors not having visual inspection qualification. B&W is to issue an NDE and a qualification procedure. CIO will monitor to assure that the procedures and material integrity are adequately addressed.
- D. Activities related to CIO Items, Hold Points, and NIRs are summarized in Attachments A, B, and C respectively.

E. The summary of meetings attended by CIO is in Attachment D.

IV. GENERAL

- A. CIO staffing was increased to 36 during this period.
- B. Mr. R. G. Burns, Stone & Webster Corporate QA Manager, was on site May 8-10, 1984.
- C. The NRC-CIO monthly public meeting was held on May 10, 1984.

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
37	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.
43	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.
46	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
51	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.
53	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		
55	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	Item Notification Report 5/10/84	Supplementary information requested by CIO (i.e., SA training matrices) provided by CPCo via CSC-7558 on 3/28/84.
59	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
00	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		
51	Tracked Recommendation	CIO recommends that the receipt acknowledgment 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	Item Notification Report 5/10/84	BPCo to include a signature/date line on their transmittal. 
3	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			
4	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.

Weekly Report No. 48
Attachment A
Page 3 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.	Classifi- cation	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
68	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 Notifi- cation Report 3/23/84			
70	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 Notifi- cation Report 4/10/84	Item Notifi- cation Report 5/9/84		
71	Tracked Infor- mation	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 Notifi- cation Report 4/11/84	Item Notifi- cation Report 4/25/84		



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	Item Notification Report 5/9/84		
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	Item Notification 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 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	Item Notification Report 5/9/84		
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			



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			



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

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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
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NONCONFORMANCE IDENTIFICATION REPORT SUMMARY

No.	Description	Issue Date	Response Date	Closure Date	Remarks
9	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.
0	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.
2	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			
3	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			
4	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			
5	At Work Print Station 219, CIO found four additional discrepant areas at completion of evaluations.	04/03/84			

CIO NONCONFORMANCE IDENTIFICATION REPORT SUMMARY - CONTINUATION SHEET

No.	Description	Issue Date	Response Date	Closure Date	Remarks
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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	CIO 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			

Weekly Report No. 48
Attachment C
Page 2 of 2



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

WEEKLY MEETING SUMMARY

Date	Meeting Title	Attendees	Discussion Topic	CIO Comments
May 7, 1984	CIO/Soils Interface Meeting	CPCo MPQAD CIO	Discussion on interface between CIO and soils as commodities are uncovered by underpinning work.	No CIO concerns identified
May 7, 1984	QVP Personnel	MPQAD CIO	Meeting on Personnel to be contacted for QVP coverage.	No CIO concerns identified
May 7, 1984	Area Team Meeting	CPCo MPQAD BPCo CIO	Support of Turbine Roll activities	No CIO concerns identified
May 9, 1984	NCR Routing Cycle	NRC CPCo MPQAD CIO	Discussion on the routing cycle of NCRs from subcontractors	No CIO concerns identified
May 9, 1984	Team Meeting	CPCo BPCo MPQAD CIO	S/A on electrical attachment to the RCB liner plate.	No CIO concerns identified

WEEKLY MEETING SUMMARY - CONTINUATION SHEET

Date	Meeting Title	Attendees	Discussion Topic	CIO Comments
May 9, 1984 May 11, 1984	Document Control	MPQAD CIO	1) Discussions on QARs that answer NIRs 022-027 2) Receiving copies of QVP Documentation for Module 120D.	No CIO concerns identified
May 10, 1984	Team Meeting	CPCo BPCo MPQAD CIO	1) QVP scheduled to start in module 240 (Control Room)	No CIO concerns identified
May 10, 1984	NRC Public Meeting	CPCo NRC CIO	The monthly public meeting held in CPCo office in Midland, Michigan.	No CIO concerns identified

MODULE	S/A	QVP	HRP
102 East Pipeway Auxiliary Bldg. Elevation 584' to 630'		Electrical	Hangers
110 Auxiliary Bldg. Elevation 568'			Hangers
120 Auxiliary Bldg. Elevation 584'	Mechanical Instrumentation Electrical	Electrical	Hangers
150 Auxiliary Bldg. Elevation 634'	Electrical		
160 Auxiliary Bldg. Elevation 645'	Electrical		
240 Control Tower Elevation 659'	Electrical		
310 RCB Fuel Pool			Hangers
330 RCB South D Ring	Mechanical		Hangers
340 RCB Outside D Rings	Mechanical Electrical	Electrical Coatings	Hangers
800 Serv. wtr. Pump House	Mechanical Electrical	Mechanical Electrical	
820 Diesel Generator- Bldg.	Electrical		



STONE & WEBSTER MICHIGAN, INC.

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

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

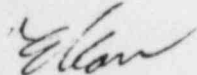
May 31, 1984

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

Enclosures

DHA:NL

cc:
DLQuamme, CPCo Midland (site)
NIReichel, CPCo Midland (site)
RAWells, CPCo Midland (site)
JJHarrison, US NRC Glen Ellyn, IL
BLBurgess, US NRC Midland (site)
Public Document Room

PRINCIPAL STAFF			
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JUN 4 1984

Stone & Webster Michigan, Inc.
CONSTRUCTION IMPLEMENTATION OVERVIEW

- CIO -

WEEKLY REPORT

NUMBER 49

PERIOD - May 14, 1984 through May 18, 1984

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VI. Exhibit	
1. CCP Phase I Activity	

CIO WEEKLY REPORT NUMBER 49

I. 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. CPCc 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

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
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			

Weekly Report No. 49
 Attachment A
 Page 2 of 7

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.	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	Item Notification Report 5/9/84		
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	Item Notification 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 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	Item Notification Report 5/9/84		
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			

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.	Classifi- cation	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
082	Tracked Recommen- dation	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 Notifi- cation Report 5/14/84			
083	Tracked Action	Provide clarification of the intent of Procedure N-12 with regard to cable reinspections.	Item Notifi- cation Report 5/14/84			
084	Tracked Action	Deviations from PQCI, P-1.90 for QVP in Module 800.	Item Notifi- cation 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 Notifi- cation Report 5/18/84			

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

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
019	As documented on C10 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 C10 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, C10 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, C10 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, C10 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, C10 found four additional discrepant areas at completion of evaluations.	04/03/84	05/17/84	05/17/84	

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	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	CIO 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
 Page 2 of 2

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

CCP PHASE I ACTIVITY

May 14 - May 18, 1984

Weekly Report No. 49

Exhibit I

Page 1 of 1

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		



STONE & WEBSTER MICHIGAN, INC.

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

PRINCIPAL STAFF	
EA	DPRP
D/RA	DE
H/RA	DRMS
PC	DRMA
PAO	SCS
CSA	
ENF	File

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

June 6, 1984

J.O. No. 14509
 SWM-139

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

The Construction Implementation Overview (CIO) Weekly Report Number 50, for the period May 21, 1984 through May 25, 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:CN

cc:
 DLQuamme, CPCo Midland (site)
 NIREichel, CPCo Midland (site)
 RAWells, CPCo Midland (site)
 JJHarrison, US NRC Glen Ellyn, IL
 BLBurgess, US NRC Midland (site)
 Public Document Room

JUN 11 1984

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Stone & Webster Michigan, Inc.

CONSTRUCTION IMPLEMENTATION OVERVIEW

- CIO -

WEEKLY REPORT

NUMBER 50

PERIOD - May 21, 1984 through May 25, 1984

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B. Hold Point Summary	
C. Nonconformance Identification Report (NIR) Summary	
D. Meeting Summary	
VI. Exhibit	
1. CCP Phase I Activity	

CIO WEEKLY REPORT NUMBER 50

I. OVERVIEW

During this reporting period, CIO continued the evaluation of 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.

The principal work activity for CIO was the continuing evaluation of Phase 1 completion and readiness for Phase 2 work in Module 120D. CIO monitored work in progress on other CCP Activities.

CIO activities during the week are summarized in Section II and detailed in Section III of this report.

II. ACTIVITY SUMMARY

- A. CCP Evaluation
- B. B&W Program Evaluation
- C. CIO Action to Close Out NIRs and Items as Responses are Received.
- D. Site Meeting Summary

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

- A. In Module 120D, CIO continued the evaluation of CCP activities to determine readiness for the transition from Phase 1 to Phase 2. This includes: review of Phase 1 program and procedures for integration of results; evaluation of Phase 1 results and procedural implementation; hardware verification; and evaluation of documentation for a representative sample of hardware. CIO is

also evaluating readiness for Phase 2 work through procedure reviews, training record review, verification of the Construction Punchlist of to-go work, etc.

At the end of this reporting period, the CIO evaluation was approximately 40 percent complete. To date, 19 issues have been identified that are potential CIO Items or NIRs. Each of these require further information from CPCo or further follow-up by CIO before they are resolved or confirmed. CIO and CPCo are meeting on a daily basis to update information and keeping cognizant personnel informed of progress in completing the evaluation and resolving identified concerns. Presently CIO expects to conclude our evaluation of this Module next week.

In other areas of the CCP, CIO continued the overview of work in active modules. This consists of witnessing work in progress, monitoring activities for procedural compliance, attending working meetings and reviewing working documents.

- B. CIO reviewed the test records of two inspectors, who were examined to the B&W visual inspection criteria, and found them satisfactory.
- C. Activities related to CIO Items, Hold Points, and NIRs are summarized in Attachment A, B and C respectively.
- D. The summary of meetings attended by CIO is in Attachment D.

IV. GENERAL

A. CIO staff increased to 38 during this 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
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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.
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CIO ITEM SUMMARY - CONTINUATION SHEET

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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	Item Notification Report 5/21/84	Item Notification Report 5/23/84	Complete Response via CSC 7772 dated 5/21/84



CIO ITEM SUMMARY - CONTINUATION SHEET

No.	Classification	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
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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		
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CIO ITEM SUMMARY - CONTINUATION SHEET

<u>No.</u>	<u>Remarks</u>
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CIO ITEM SUMMARY - CONTINUATION SHEET

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CIO ITEM SUMMARY - CONTINUATION SHEET

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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			
086	Tracked Action	CIO is requesting a singular reply concerning conflicting responses from BPCo and MPQAD for NIRs 022 and 023.	Item Notification Report 5/22/84			

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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.

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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
019	As documented on CIO Evaluation No. MP-MIS-082-0001, several discrepancies were identified on the FDDL.	02/29/84	03/14/84	5/24/84	QAR RA-00134 issued to track corrective action. Complete response via CSC 7776 dated 5/18/84.
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			
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			

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CIO NONCONFORMANCE IDENTIFICATION REPORT SUMMARY - CONTINUATION SHEET

No.	Description	Issue Date	Response Date	Closure Date	Remarks
031	CIO 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 - Observed during CIO evaluation of -PQCI C-1.90	05/14/84			

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WEEKLY MEETING SUMMARY

Date	Meeting Title	Attendees	Discussion Topic	C10 Comments
May 22, 1984	Area Team Meeting	CPCo MPQAD BPCo C10	1) Release of Modules for Phase I Activities 2) Mechanical attachments to liner plate is S/A scope. 3) Update training to new requirements of training notices.	No C10 concerns identified
May 22, 1984	HRP Meeting	CPCo MPQAD BPCo C10	1) 31 Inspectors certified to PQCI-P-2.30 and 465 reinspections now completed.	No C10 concerns identified
May 22, 1984	Document Control	CPCo C10	1) Meeting concerning dispositions on C10 Items and NIRs pertaining to document control.	No C10 concerns identified
May 23, 1984	NRC Meeting	NRC C10	1) Bi-monthly meeting	No C10 concerns identified

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WEEKLY MEETING SUMMARY

Date	Meeting Title	Attendees	Discussion Topic	CIO Comments
May 25, 1984	Hanger Meeting	CPCo MPQAD BPCo CIO	<ol style="list-style-type: none"> 1) Not all interfacing inspections are being referenced. 2) Non-Q hangers attached to Q hangers not referenced on Q hanger drawings 3) MLCS printout and Q commodity not in agreement as to hanger work numbers in 120D. 	No CIO concerns identified
May 25, 1984	Subcontract Meeting	BPCo Zack B&W Owens-Corning	<ol style="list-style-type: none"> 1) Contractors requested to close out existing NCRs as quickly as possible and see that they don't reoccur. 2) Owens-Corning to revise update and make their commodity lists more accurate. 	No CIO concerns identified

MODULE	S/A	QVP	HRP
102 East Pipeway Auxiliary Bldg. Elevation 584" to 630'	Electrical	Electrical	
120 Auxiliary Bldg. Elevation 584'		Electrical	Hangers
240 Control Tower Elevation 659'		Electrical	
340 RCB Outside D Rings	Mechanical	Electrical	
820 Diesel Generator Bldg.	Mechanical	Electrical	