

Stone & Webster Michigan, Inc.
CONSTRUCTION IMPLEMENTATION OVERVIEW

- CIO -

WEEKLY REPORT

NUMBER 35

PERIOD - February 6, 1984 through February 10, 1984

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I. OVERVIEW

During this reporting period, Status Assessment and Quality Verification Program (QVP) activities continued.

In Module 340 (Reactor Building), Status Assessment for decontaminable concrete and miscellaneous Q-steel coatings approached completion and QVP activity continued. Preparations were completed and Status Assessment began for electrical conduit/conduit supports and electrical penetrations. Additionally, preparations were in progress to begin Status Assessment and QVP of electrical terminations and pipe whip restraints.

In Module 102 (east pipeway to elevation 630), preparations were being made to begin Status Assessment of penetrations and in the civil discipline (whip restraints) and Status Assessment of conduit/conduit supports was being accomplished.

In Module 120 (Auxiliary Building elevation 584), preparations were ongoing to begin Status Assessment of pipe whip restraints and piping penetrations.

Preparatory activities for both Status Assessment and QVP include assembling required documentation, training personnel and "dry runs" of activities. CIO has monitored the process and observed personnel during the dry runs. This process is being accomplished in a satisfactory manner. Questions are being answered and potential problems resolved prior to beginning Status Assessment or QVP. Evaluations continue to be performed by supervisory and management personnel of performance and these are a valuable part of the process

for releasing activities.

Status Assessment and QVP activities remain at a relatively low level. Increases in activity are being pursued slowly and with care taken to prevent problems arising from too rapid a buildup. CIO has continued to monitor the Field Document Control Center and, to date, has not identified any further concerns relative to their ability to keep pace with field activity. This was reported in CIO Report Number 34 as a potential problem and we will continue to monitor the process as activity increases. Presently, CIO's conclusion is that CCP activities are being conducted in a controlled manner, in accordance with procedures and are proceeding satisfactorily.

Other CIO activities for this period included:

- ° Verification of the FCR/FCN Resolution Program
- ° Evaluation of the MPQAD Audit Program
- ° Monitoring the Status Assessment Print (SAP) and Work Print (WP) Program
- ° Review of Training Records
- ° Monitoring Action Relative to NRC Commitment List
- ° Evaluation of Training Programs
- ° Evaluation of Training Matrix for Construction Personnel
- ° 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. FCR/FCN Resolution Program Verification
- C. MPQAD Audit Program Evaluation

- D. SAP/WP Review
- E. NRC Commitment List Program Monitoring
- F. Training Program Evaluation
- G. Training Matrix Review

III. ACTIVITY DETAILS

- A. CIO continued to monitor performance of CCP activities in progress, Status Assessment and QVP. Training records of personnel performing these activities are reviewed to verify that they have been qualified for the activities they are performing. Work is monitored to verify that procedures are followed and documentation is processed satisfactorily. Due to the low activity level, a large volume of information has not been generated to be processed. However, the program, to date, appears adequate and is satisfactorily implemented so that as activity increases control will be maintained.
- B. CIO conducted a sampling inspection of Phase I and II FCR/FCN's in the mechanical discipline. No discrepancies were noted and the results were, therefore, satisfactory (Re: Checklist Number MP-MIS-041-005). This completed the reviews of the FCR/FCN Resolution Program and CIO released Hold Point 011 on February 8, 1984.
- C. CIO continued the evaluation of the MPQAD Audit Program during this reporting period. Some of the additional information requested from CPCo was received and evaluated and further discussions were held with various MPQAD personnel. This is an

ongoing activity to be completed in two to three weeks.

- D. CIO continued monitoring the SAP/WP programs. The process of issuing documents for Status Assessment and QVP remains under control and in accordance with procedures FPD-1.000, FPD-3.000 and FPD-7.500. As noted in Item I of this report, the increased volume of documents being processed has not, to date, proven detrimental to the control program. CIO will continue to monitor this activity.
- E. As reported in CIO Reports Numbered 33 and 34, on January 27 and 31, 1984, CIO attended meetings with CPCo and BPCo to discuss design related commitments to the NRC.

Based on the Quality Engineering Surveys conducted since January of 1981 and CIO review of ongoing activities, it is concluded that the NRC commitments contained in the PSAR & FSAR have been adequately identified and implemented with respect to the design of the plant and any design change documents. SWEC CIO has therefore discontinued activity associated with the identification and tracking of design related commitments.

CIO is continuing to evaluate the NRC Commitment Program for specific construction related activities and for overall program implementation.

- F. CIO attended and evaluated the following training classes:

- ° AREA STATUS ASSESSMENT & PUNCHLIST (FPG-9.910)

This class was conducted in an effective manner and in

accordance with FPG-2.000, "Training of Construction Personnel" (Re: Checklist Number MP-MIS-035-0017).

• MPQAD - TRAINING CLASS ON PQCI-C-1.50, "EXPANSTION ANCHOR BOLTS"

Why not item

CIO evaluation of this class was that information presented was not satisfactory. The lesson plan in use was based on outdated documents. A Specification Change Notice had revised criteria and a procedure had been revised. These changes had not been incorporated in the lesson plan. This will be forwarded to CPCo as a CIO action item. Class presentation itself was effective and, other than the above, in compliance with Procedures B-2M, B-3M and B-3M-1 (Re: Checklist Number MP-MIS-008E-00).

- G. CIO received and began review of the System Team Training Matrix in response to NIR-008.

IV. GENERAL

- A. Mr. R. B. Kelly, Vice President and Director of Quality Assurance, and Mr. R. G. Burns, Quality Assurance Manager, were on site February 8 and 9, 1984.
- B. Mr. R. Babbit, Quality Systems Division, remained on site working on Quality Control Instructions.
- C. CIO staffing increased to 31 during this reporting period. Resumes and affidavits have been forwarded to the USNRC under separate cover.


- D. A chart showing the final release status for the FCR/FCN Resolution Program is included as Exhibit 1 to this report.

V. ATTACHMENTS

- A. - CIO Item Summary
- B. - CIO Hold Point Summary
- C. - CIO NIR Summary
- D. - Meeting Summary

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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			
032	Tracked Action	NIR 006 issued on October 28, 1983, to address administrative discrepancies in the Construction Training Records of Teams 5, 6, 8, 9, 12, 13, 16, 17, 19, 20, 25, 26 (27/28) 29, 30, 31, 32/33 and BHO staff.	Report No. 20 10/31/83	N/A	Item Notification Report 2/9/84	Item closed subsequent to NIR closure
033	Tracked Action	NIR 007 issued on November 7, 1983, to address administrative discrepancies in the Construction Training Records for Teams No. 24, Field Procurement, Subcontractor Management, Field Engineering Staff, and Construction General Services Organization.	Report No. 21 11/08/83	N/A	Item Notification Report 2/9/84	Item closed subsequent to NIR closure
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			

CIO ITEM SUMMARY - CONTINUATION SHEET

No.	Classification	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
035	Tracked Action	CIO observed that dielectric isolation spacers for galvanic protection of copper pipe to galvanized steel pipe supports were missing in some areas on the Small Bore (Instrument Air) KAC System, drawing FSK-J-30-0220 Sheet 2, Rev. 7.	Report No. 22 11/14/83			The hardware part of this item was referred to CPCo. CIO is holding the item open pending receipt of CPCo information on use of memos to direct work.
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 C00925 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 SWMP-024 dated 2/3/84.
041	Tracked Information	CIO requires CPCo plans and schedules for assuring that current activities relative to the evaluation of Phase III activities on FCRs/FCNs, vendor drawings and FSKs are completed prior to releasing the emergency diesel generators for resumption of installation work. Subsequent to review, CIO will determine method of evaluation.	Item Notification Report 1/6/84	Item Notification Report 2/7/84	Item Notification Report 2/9/84	

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
045	Tracked Information	Response to CIO Item 038 was not acceptable. CIO must know what actions will be taken by CPCo to assure that work is done to Engineering documents and that a reliance on checklists does not develop.	Item Notification Report 1/18/84	Item Notification Report 2/6/84	Item Notification Report 2/6/84	Ref. CPCo to BPCo letter CSC-7221, 1/26/84
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

C10 ITEM SUMMARY - CONTINUATION SHEET

No.	Classifi- cation	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
048	Tracked Action	Corrective action needed to rectify an inconsistency between anchor bolt specifications C-305 and C-306.	Item Notifi- cation Report 1/18/84	Item Notifi- cation Report 2/7/84		BPCo response via letter BCCC-8987, dated 2/6/84. C10 awaiting SCN 14001 to Spec C-306.
049	Tracked Infor- mation	A C10 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 "de-controlled" via a line-out method which is not proceduralized; and (3) CPCo DCC personnel are unaware of the Bechtel Ann Arbor method of identifying document transmittals as either controlled or uncontrolled.	Item Notifi- cation Report 1/26/84	Item Notifi- cation Report 2/3/84		C10 awaiting completion of CPCo corrective action.
050	Tracked Infor- mation	A review of documents related to Q and/or Q-interface CWP's/items and a discussion of same with CPCo personnel revealed that there is no formal direction for which Q-interface items require inspection.	Item Notifi- cation Report 1/30/84	Item Notifi- cation Report 2/6/84	Item Notifi- cation Report 2/8/84	Reference CPCo letter CSC-7229 dated 1/31/84.

*No NER
No DCC personnel
updating uncontrolled
documents when
not needed.*

*It's
Pine
FPG 7-300
TUE- T-3*

C10 ITEM SUMMARY - CONTINUATION SHEET


No.	Classifi- cation	Description	Open Document/Date	CPCo Response Document/Date	Closed Document/Date	Remarks
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 Notifi- cation Report 2/3/84			
052	Tracked Infor- mation	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. <i>Jackson</i>	Item Notifi- cation Report 2/3/84			


CIO HOLD POINT SUMMARY - CONTINUATION SHEET

No.	Description	Established Document/Date	CPCo Response Document/Date	Lifted Document/Date	Remarks
009	<p>NIR 007 was issued on November 7, 1983, to address discrepancies observed during sample inspection of 834 Construction Training records of 18 members of Team 24, Field Procurement, Sub-Contractor Management, F. E. staff and Construction General Services Organization.</p> <p>Corrective action must be completed before any walkdown, assessments can be performed by the personnel in question.</p>	Report No. 21 11/08/83	N/A	Hold Point Notification Report 2/9/84	Hold Point closed subsequent to NIR closure.
010	<p>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.</p> <p>Corrective action must be completed before any walkdown assessments can be performed by the personnel involved in these training activities.</p>	Report No. 22 11/14/83			
011	<p>Prior to lifting of Stop Work Orders relating to the FCR/FCN Review and Resolution Program, CIO has established a Hold Point at the conclusion of Phase II activities to evaluate the adequacy of MPQAD performance during Phase I and Phase II activities. The Hold Point encompasses all the Stop Work Orders with the exception of Stop Work Order No. FSW-36 which has been lifted by MPQAD. This Hold Point does not apply to Phase III.</p>	Report No. 23 11/22/83	N/A	Hold Point Notification Report 2/10/84	Hold Point released in stages, by discipline, via S&W letters SWMCP-004, 017, 021 and 029.

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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			
008	NIR 006 was issued on October 28, 1983, to address discrepancies observed during the sample inspection of 2,054 Construction Training records of 31 members of Teams 5, 6, 8, 9, 12, 13, 16, 17, 19, 20, 25, 26, (27/28), 29, 30, 31, (32/33) and BHO staff. Corrective action must be completed before any walkdown assessments can be performed by the personnel in question.	Report No.. 20 10/31/83	N/A	Hold Point Notification Report 2/9/84	Hold Point closed subsequent to NIR closure 

C10 HOLD POINT SUMMARY - CONTINUATION SHEET

No.	Description	Established Document/Date	CPCo Response Document/Date	Lifted Document/Date	Remarks
015	C10 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 C10 review and acceptance of the calibration certification.	Hold Point Notification Report 2/1/84			

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NONCONFORMANCE IDENTIFICATION REPORT SUMMARY

- NOTES: 1.  identifies changes from previous report
2. Closed NIRs will be identified in the report for the week of closure and dropped from further reporting

No.	Description	Issue Date	Response Date	Closure Date	Remarks
008	Need to upgrade five training level codes in the System Team Training Matrix.	11/10/83			
011	A conflict on the use of R symbols for re-tired FCR/FCNs on architectural drawings.	12/31/83			
012	Numerous drawing/specification discrepancies revealed during Phase III, FCR/FCN CIO review at Drawing Stations 8, 10 and 13.	01/03/84			
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			

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WEEKLY MEETING SUMMARY

Date	Meeting Title	Attendees	Discussion Topic	CIO Comments
Feb. 2, 1984	Area Team Staff Meeting	CPCo MPQAD BPCo CIO	1) Status Assessment to be full force effort for Modules 340, 102 and 120.	No CIO concerns identified.
Feb. 8 and Feb. 9, 1984	Team Mtgs.	CPCo MPQAD BPCo CIO	1) Teams must update training to assure compliance with Revision 3 of Training Matrix. 2) Will send CIO a schedule of Team 23 activities. 3) Reviewed Q Interface Policy Statement. 4) Ask FDCC only for those SAP's which are needed to support present work. 5) Lift of Stop Work Order in mechanical discipline. 6) Team 16 has been eliminated. Personnel have been assigned to Team 6.	

FCR/FCN RESOLUTION PROGRAM RELEASE STATUS

DISCIPLINE	PHASE I MPQAD	PHASE II MPQAD	PHASE II C10	PHASE III MPQAD	PHASE III C10
Architectural	Complete	Complete	Complete	Complete	Complete
Civil - Soils	Complete	Complete	Complete	Complete	Complete
Civil - Other than soils	Complete	Complete	Complete	Complete	Complete
Electrical	Complete	Complete	Complete	NA	NA
Mechanical	Complete	Complete	Complete	NA	NA
I & C	Complete	Complete	Complete	NA	NA