



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

| PRINCIPAL STAFF | | | |
|-----------------|------|----|--|
| RA | DE | DE | |
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Mr. J. G. Keppler, Administrator, Region III
Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

January 27, 1984
J.O. No. 14509
NRC File #84-1-27

DOCKET NO. 50-329/330
CIO WEEKLY REPORT NO. 32
MIDLAND PLANT - UNITS 1 AND 2

The Construction Implementation Overview (CIO) Weekly Report No. 32
for the period January 16, 1984 through January 20, 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

JEK/nl

cc:

JJHarrison, US NRC Glen Ellyn, IL
RJCook, US NRC Midland (site)
DLQuamme, CPCo Midland (site)
RAWells, CPCo Midland (site)
RBKelly, SWEC
RGBurns, SWEC
APAmoruso, SWEC

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PDR ADOCK 05000329
Q PDR

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Stone & Webster Michigan, Inc.
CONSTRUCTION IMPLEMENTATION OVERVIEW

- CIO -

WEEKLY REPORT

NUMBER 32

PERIOD - January 16, 1984 through January 20, 1984

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CIO REPORT NUMBER 32

I. OVERVIEW

During this reporting period, principal CIO activities were directed toward an evaluation of CPCo plans and actions to implement corrective action for document control problems identified in CIO Item Number 043. On January 16, CPCo provided CIO with their plan for completion of Phase III (Register Reconciliation) activities, corrective action relative to document control, lifting of CPCo Stop Work Orders 34, 36, 39, 40 and 41 and commencing status assessment and Quality Verification Program (QVP) activities. Major points in the CPCo plan include:

- ° Disestablishing all document control stations except for those necessary to support the Remedial Soils Program (8, 10, 13, 24 and 64) and the Field Document Control Center (Station 59, FDCC).
- ° Establishing a Status Assessment Print (SAP) Program controlled by FDCC for verification of documents as they are issued for status assessment.
- ° Establishing a Work Print (WP) program controlled by FDCC for verification of documents as they are issued for work other than that in the remedial soils area.
- ° Procedure revision to reflect the current approach to document control.

CIO reviewed the CPCo plan and considered it to be an acceptable approach for resolution of identified problems and commencement of status assessment and QVP.

Based upon this plan, CPCo completed actions necessary to partially lift the Stop Work Orders and to activate FDCC to issue SAPs and WPs. Additionally, Phase III work was completed for Stations 8, 10, 13, 24 and 64. CIO completed our review of these activities and as a result of satisfactory performance lifted Hold Point Number 012. Additionally, CIO commenced an evaluation of FDCC to determine their readiness to begin issuing SAPs and WPs and to service the remedial soils stations. Satisfactory completion of this evaluation led to CIO closure of Hold Points 013 and 014. Several recommendations were made to CPCo during this review which will be forwarded to CPCo next week and as a follow-on to this, CIO will evaluate performance during the next reporting period when the activity is expected to commence. Additionally, based upon our review, there are two areas which CIO concluded should be checked during the reactivation of the remedial soils stations. These related to personnel training and document distribution to vendors, and will be referred to the Remedial Soils Assessment Team for follow-up.

Other CIO activities during this period included:

- ° Review of Phase I and II (FCR/FCN Resolution and Processing) for the Instrumentation and Control (I & C) discipline.
- ° Overview of Status Assessment/QVP activities for structural coatings in Module 340.
- ° Planning for Phase III review of FCR/FCNs in the Electrical and Mechanical disciplines.

- Review of MPQAD audit reports in preparation of an evaluation of CPCo Audit Program.
- Attendance at various site meetings.
- CIO action to close out open Items and NIRs as responses become available.

II. ACTIVITY SUMMARY

- A. Evaluation of FCR/FCN resolution and document control activities.
- B. Phase III review of remedial soils vendor documents, field sketches (FSKs), design drawings and specifications and retired (R) documents in the civil discipline.
- C. Phase I and II review of I & C documents.
- D. Construction personnel training record review.
- E. Overview of status assessment and QVP activities of Coating inspections of decontaminable concrete and structural steel in Module 340.
- F. MPQAD Audit Report Review.

III. ACTIVITY DETAILS (Paragraphs correspond to items in Section II)

- A. See discussion in Section I of this report.
- B. At Remedial Soils Stations (8, 10, 13, 24 and 64) CIO performed a review of Phase III Register Reconciliation of vendor documents, FSKs, design drawings, specifications and the Retirement Documentation Program in the civil discipline. One discrepant item was

identified at Station 8. The discrepancy related to drawing number CL004, Rev. 6 which had FCN C3832 attached. Six copies of the same drawing had the correct Change Notice and were signed by the Project Engineer. On one copy of the drawing, the FCN had not been signed by the Project Engineer. After evaluation of overall results, CIO did not consider this item significant and, once it had been corrected, CIO released these five stations for resumption of work by closing CIO Hold Point Number 012. Section I of this report contains further information on this topic.

- C. CIO performed sampling inspections of Phase I and Phase II Instrumentation and Control FCR/FCNs and associated Generic (G) specifications. The reviews showed satisfactory performance. Hold Point Number 011, established for completion of Phase II activities, is now lifted for this discipline.
- D. CIO performed a sampling inspection of 689 training records which represented 102 construction personnel prior to their release for status assessment work. The records examined were satisfactory and in compliance with FPG-2.000, Rev. 6, "Training of Construction Personnel" (Re: Checklist Number MP-MIS-001E). To date, CIO has reviewed training records representing 245 personnel, found them to be satisfactory and released the personnel to conduct status assessment as activity warrants.

E. CIO Weekly Report Number 26 documented the release of two personnel to perform status assessment for Phase I activities. Status assessment of decontaminable concrete coating and miscellaneous Q structural steel coatings in Module 340 commenced on December 23, 1983 by these two personnel.

CIO monitored these activities on January 4 and 10, 1984 and observed that the team members were working from appropriate documents and were checking for proximity violations as defined in Specification C-305 and for construction damage. Items and areas found to be incomplete are satisfactorily being entered into the Punch List Program.

CIO Weekly Report Number 26 also documented the closure of NIRs 002, 003 and 004, Item 31 and Hold Point Number 006. This combination released MPQAD personnel to perform QVP activity. After status assessment, MPQAD began QVP activities in the inspection of decontaminable coatings for concrete. During the period December 20, 1983 through January 13, 1984, CIO overviewed these activities. The QVP inspections performed were determined to be in compliance with PQCI C-8.51 Rev. 4 upon review of VIRs C-8.51-3,5,6,7. CIO verified that NCRs, the DIIA form used for Inaccessible Attributes and other pertinent documents were generated as required by the VIR. One discrepancy was noted by CIO on the completed VIR. The DIIA numbers for the Generic DIIAs were not recorded in Block

14 of the IR as required by the PQCI. This was brought to the attention of MPQAD and corrections were made. This item is not considered significant.

MPQAD commenced QVP on structural steel coatings in Module 340K on January 13, 1984. CIO performed periodic overviews of this activity and determined that the inspections were performed in accordance with PQCI 8.50 Rev. 13. MPQAD compliance with the requirements of PQCI 8.50 will be determined upon the CIO review of the completed Inspection Reports.

During the above reviews, CIO also verified through the review of Training Records that the specific personnel assigned to perform QVP were trained and certified to perform QVP to PQCI C-8.51.

- F. CIO has been placed on distribution of MPQAD Audit Reports. In addition to the activity reported in Weekly Report 31, reviews of these are also being conducted in preparation for an evaluation of the MPQAD Audit Program.

IV. GENERAL


- A. CIO report incorrectly stated the number of personnel who had been released for status assessment. Figures in this report are correct.
- B. A chart showing current status of releases in 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

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

CIO ITEM SUMMARY

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

| No. | Classification | Description | Open Document/Date | CPCo Response Document/Date | Closed Document/Date | Remarks |
|-----|----------------|--|---------------------------|-----------------------------|----------------------|---------|
| 030 | Tracked Action | Need to review Vendor Equipment Verification Program - MPQAD/SMO | Report No. 5 7/18/83 | | | |
| 032 | Tracked Action | NIR 006 issued on October 27, 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 | | | |
| 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 | | | |
| 034 | Tracked Action | NIR 008 issued on November 14, 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 | | | |
| 036 | Tracked Information | At a meeting of Teams 26 and 27 held on November 22, 1983, the discontinuance of FCNs for "Q" items was discussed. If this change is to be implemented, new instructions are required. | Report No. 24 11/29/83 | Letter No. CSC-7134 dated 1/05/84 | Item Notification Report 1/18/84 | |
| 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 As revised by Report No. 25 12/5/83 | | | |

CIO ITEM SUMMARY - CONTINUATION SHEET

| No. | Classification | Description | Open Document/Date | CPCo Response Document/Date | Closed Document/Date | Remarks |
|-----|---------------------|---|-----------------------------------|---------------------------------------|-------------------------------------|--|
| 038 | Tracked Information | CIO reviewed a checklist developed by Bechtel Field Engineers for use in conducting Status Assessment to Procedures FPN-7.000, Rev.1. Checklist did not include all of the attributes required by the procedure. | Report No. 26 12/13/83 | Letter No. CSC-7134 dated 1/05/84 | Item Notification Report 1/18/84 | Response unacceptable. Refer to CIO Item 045 |
| 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 Sheet 1/6/84 | | | |
| 042 | Tracked Information | Reference correspondence refers to the formalization of procedures for training CPCo personnel (SMO) who will be performing tasks relative to the CCP. CIO requests these procedures for review and evaluation. | Item Notification Sheet 1/6/84 | Copy of training procedure 1/06/84 | Item Notification Report 1/19/84 | |

CIO ITEM SUMMARY - CONTINUATION SHEET

| No. | Classifi- cation | 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 Notifi- cation Sheet 1/6/84 | Item Notifi- cation Sheet 1/17/84 | | Ref. CPCo letter CSM-0719 1/16/84 |
| 044 | Tracked Infor- mation | Pursuant to the referenced meeting it is requested that CIO be provided copies of the reports issued by TERA Corporation for their activities related to design of the Midland Nuclear Plant. | Item Notifi- cation Sheet 1/9/84 | Item Notifi- cation Report 1/13/84 | Item Notifi- cation Report 1/19/84 | |
| 045 | Tracked Infor- mation | 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 Notifi- cation Report 1/18/84 | | | |

C10 ITEM SUMMARY - CONTINUATION SHEET

| No. | Classifi- cation | Description | Open Document/Date | CPCo Response Document/Date | Closed Document/Date | Remarks |
|-----|-----------------------------|---|--|--------------------------------|-------------------------|---------|
| 046 | Tracked Infor- mation | C10 requests placement on distribu- tion for documentation and procedures pertinent to the NRC Project Commit- ment Tracking Program, advance notice of related meetings and a schedule which addresses completion of these events. | Item Notifi- cation Report 1/18/84 | | | |
| 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 | | | |

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

CIO HOLD POINT SUMMARY

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

| No. | Description | Established Document/Date | CPCo Response Document/Date | Lifted Document/Date | Remarks |
|-----|--|---------------------------|-----------------------------|----------------------|---------|
| 005 | CPCo has committed to develop a Vendor Equipment Verification Program. Program is required before implementation of Phase II. | Report No. 18 10/17/83 | | | |
| 007 | Evaluation of Management Review of results of Phase I activities. Evaluation is required before implementation of Phase II | Report No. 19 10/24/83 | | | |
| 008 | NIR 006 was issued on October 27, 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 | | | |

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 11/07/83 | | | |
| 010 | <p>NIR 008 has been issued on November 14, 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 11/13/83 | | | |
| 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 11/21/83 | | | |

C10 HOLD POINT SUMMARY - CONTINUATION SHEET

| No. | Description | Established Document/Date | CPCo Response Document/Date | Lifted Document/Date | Remarks |
|-----|--|--|--|--|-----------------------------------|
| 012 | Prior to issue of documentation lifting the CPCo Stop Work Order relating to civil discipline - Soils (Stations 8, 10, 13, 24 and 64), C10 has established a Hold Point at the conclusion of CPCo activities for Phase III resolution of FCRs/FCNs to evaluate the adequacy of MPQAD performance during Phase III activities. | Hold Point Notification Report 1/10/84 | Hold Point Notification Report 1/17/84 | Hold Point Notification Report 1/19/84 | |
| 013 | Prior to issue of documentation lifting the CPCo Stop Work Order relating to civil discipline - (other than Stations 8, 10, 13, 24 and 64), C10 has established a Hold Point at the conclusion of CPCo activities for Phase III resolution of FCRs/FCNs to evaluate the adequacy of MPQAD performance during Phase III activities. | Hold Point Notification Report 1/10/84 | Hold Point Notification Report 1/17/84 | Hold Point Notification Report 1/20/84 | Ref. CPCo letter CSM-0719 1/16/84 |
| 014 | Prior to issue of documentation lifting the CPCo Stop Work Order relating to architectural discipline (other than Stations 14, 55, 48A, 48B and 48D), C10 has established a Hold Point at the conclusion of CPCo activities for Phase III resolution of FCRs/FCNs to evaluate the adequacy of MPQAD performance during Phase III activities. | Hold Point Notification Report 1/10/84 | Hold Point Notification Report 1/20/84 | Hold Point Notification Report 1/20/84 | Ref. CPCo letter CSM-0719 1/16/84 |

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

NONCONFORMANCE IDENTIFICATION REPORT SUMMARY

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

| No. | Description | Issue Date | Response Date | Closure Date | Remarks |
|-----|--|------------|---------------|--------------|--|
| 006 | Administrative discrepancies in Construction Training Records involving CCP Teams. | 10/28/83 | 01/20/84 | 01/20/84 | Corrective Action verified through CIO evaluations |
| 007 | Administrative discrepancies in Construction Training Records for the following teams: No. 24, Field Procurement, Subcontractor Management, Field Engineering Staff, and Construction General Services Organization. | 11/07/83 | | | |
| 008 | Need to upgrade five training level codes in the System Team Training Matrix. | 11/14/83 | | | |
| 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 | | | |

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

WEEKLY MEETING SUMMARY

| Date | Meeting Title | Attendees | Discussion Topic | CIO Comments |
|-----------------------|--|----------------------------------|---|-------------------------|
| Jan. 18, 1984 | FCR/FCN Review | CPCo BPCo MPQAD S&W CIO | Discussion on CIO Hold Points 013, 014 and Open Items. Status of CIO review of Phase I and Phase II in the Civil discipline Established CIO schedule for review of the Reconciliation Register of Soils Stations 8, 10, 13, 24, and 64 | No areas of CIO concern |
| Jan. 19, 1984 | Review of documentation Soils Stations 8-10-13-24-64 | CPCo BPCo MPQAD S&W CIO | Established CIO plan for review of Reconciliation Register Phase III at Soils Stations 8, 10, 13, 24, & 64 Discussed CIO plans for evaluation of Sta. 59 | No areas of CIO concern |
| Jan. 20, 1984 | Review of Phase I & II I & C FCR/FCNs Sta. 59 evaluation | CPCo BPCo MPQAD S&W CIO | Established CIO plans for review of I & C FCR/FCNs Phase I and II Discussed results of CIO evaluation of Station 59 | No areas of CIO concern |
| Jan. 16, 17, 20, 1984 | Team mtgs. | CPCo BPCo MPQAD S&W CIO | 1) Discussion of Restraint Items 2) Monitoring of Status Assessment Scheduling 3) Assignment and training of 40 additional members assigned to Support Area Teams 4) Administrative responsibilities 5) Discussion on Diesel Generator F.O. storage tank coatings | No areas of CIO concern |

EXHIBIT 1

FCR/FCN RESOLUTION PROGRAM RELEASE STATUS

| DISCIPLINE | PHASE I MPQAD | PHASE II MPQAD | PHASE II CIO | PHASE III MPQAD | PHASE III CIO |
|-----------------------------|------------------|-------------------|-----------------|--------------------|------------------|
| 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 | | | |
| Mechanical | Complete | Complete | | | |
| I & C | Complete | Complete | Complete | | |