



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

March 21, 1984

J. O. No. 14358
 Ref. MPF 78

Attention: Mr. R. Cook

DOCKET NO. 50-339/330
 MIDLAND PLANT UNITS 1 & 2
 INDEPENDENT ASSESSMENT OF UNDERPINNING
 REPORT NO. 78

A copy of the Independent Assessment of Underpinning Weekly Report No. 78 for the period of March 1, 1984 through March 17, 1984 is enclosed with this letter. Included as attachments are the minutes of the daily meeting 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.

See below for details

A. Stanley Lucks
 Project Manager

Enclosures
 ASL/pd

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 PDR FOIA
 RICE84-96 PDR

APR 3 1984

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

Weekly Report No. 78

March 11, 1984 through March 17, 1984

Personnel on Site

Stone & Webster Michigan, Inc.

| | |
|------------|-------------|
| P. Majeski | 3/13 - 3/17 |
| D. Benvie | 3/12 - 3/16 |
| R. Lykens | 3/13 - 3/17 |
| W. Kilker | 3/11 - 3/13 |
| D. Zito | 3/11 - 3/16 |
| L. Rouen | 3/11 - 3/13 |

Parsons Brinckerhoff Michigan, Inc.

| | |
|-------------|-------------|
| J. Oliveira | 3/13 - 3/17 |
| B. Metros | 3/11 - 3/13 |

Meetings Attended

| <u>Date</u> | <u>Represented</u> | <u>Purpose</u> |
|-------------|--|----------------------------------|
| 3/12 - 3/16 | Stone & Webster Bechtel Consumers Power Parsons | Daily Assessment Team Meeting |
| 3/13 | Consumers Power Bechtel MPQAD Stone & Webster | Inter-organizational Meeting |
| 3/16 | Consumers Power Bechtel MPQAD Stone & Webster | Project Soils Meeting |

Underpinning and Remedial Soils - Construction

Pier Kc-4: Placement of reinforcing steel and concrete was completed.

Fier W-16: Bell excavation was completed and bell support was installed.

Piers CT-1/12: Bell excavation and support was completed. Bell reinforcing steel and concrete was placed.

Pier Kc-9: Bearing plates are being installed.

Pier E-16: Bell excavation was completed and bell support was installed.

Access shaft Level "C" Wales: Templates to be used for fabrication of plates are being made.

SWPS: Installation of the first level wales for the soldier pile wall is in progress.

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

Assessment Team Observations - Construction

Jacking of the E/W 8 grillages to increase the reserve capacity load in each grillage was observed by the Assessment Team. Prior to jacking, the underpinning subcontractor reviewed the methodology and objectives of the jacking operation with the craftsmen, MPQAD, field engineers and the resident geotechnical and structural engineers. This discussion served as an appropriate forum to answer any questions thus ensuring a thorough understanding of the entire jacking operation by all organizations involved. The sequence of load application for the three sets of jacks at each grillage, increments of loading and the time interval between each load increment conformed with procedural requirements. The jacking operations were well co-ordinated between the resident structural and geotechnical engineers, the underpinning subcontractor and the instrumentation contractor. Reading of the instrumentation and reduction of data was expedient and accurate, allowing immediate evaluation of building and pier movement as jacking progressed. Acceptance criteria was met at both grillages prior to locking off and deactivating the jacks.

It is the opinion of the Assessment Team that the organizations involved with the jacking operations at the E/W8 grillages operated in an efficient and knowledgeable manner allowing the jacking for reserved capacity loading to be completed satisfactorily.

The successful and timely completion of piers CT1/12 is of utmost importance to the underpinning operations in the Auxiliary Building. Good prior planning and coordination enabled the Contractor to advance a scheduled concrete placement on short notice when it was determined that the reinforcing steel installation would be completed ahead of schedule. This is just one of a series of activities recently initiated to assure expeditious completion of these critical piers. The construction methods used demonstrated a good knowledge of proper technique for this difficult concrete placement.

Concrete was placed for the Kc-4 pier this week. The placement was well co-ordinated and the activities of the contractor, MPQAD and US Testing conformed with applicable procedures. Key items noted during the placement of the pier concrete was proper concrete consolidation, correct performance of in-process testing and availability of standby equipment. Concrete consolidation and in process testing were performed in accordance with applicable procedures. A second set of concrete pumps and vibrators were maintained at the placement area ensuring an uninterrupted operation. It is the opinion of the Assessment Team that placement of concrete conformed with applicable procedures resulting in a satisfactory installation.

The Assessment Team noted that a lesson learned from the Auxiliary Building underpinning is being applied at the SWPS. Prior to drilling holes for anchor bolts to be installed in the SWPS wall, sufficient concrete is removed in the area of the planned installation to allow mapping of the first layer of reinforcing steel. This allows an evaluation to be made for the bolt arrangement which will minimize the cutting of reinforcing steel and expedite the bolt installation.

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

Assessment Team Observations - QA/QC

Compressive strength testing of pier Kc-9 concrete cylinders at the US Testing on site laboratory was overviewed by the Assessment Team. Additionally, qualifications of the inspector performing the testing and certification of the compression machine were reviewed. Testing attributes considered include proper capping and moistening of concrete specimens, rate of loading, and concentric application of load. Compression strength testing observed by the Assessment Team conformed with procedural requirements and certifications of the inspector and the compression machine were found to be acceptable.

The Assessment Team reviewed two work area controlled document stations for proper posting of attachments. One deficiency was found at each station. As a result NIR # 23 was issued.

The Assessment Team reviewed 300 Inspection Reports for completeness and proper certifications of inspectors. These reports covered inspections of twelve construction activities. All reports were found to be complete and the inspectors certified.

Work Activity Packages

No new work Activity Package overviews were reviewed during the past week.

Nonconformance Identification Reports

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

| <u>NIR No.</u> | <u>Description</u> | <u>Status</u> |
|----------------|--|-----------------------------|
| 22 | Resident Engineering Document Control Stations | (Opened)(Closed) 2/21/84 |
| 23 | Subcontractor Work Print Station | 3/13/84 |

Open Items

Items discussed during meetings are categorized as follows:

OPEN ITEMS - 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.

OPINION ITEM - An opinion or suggestion, 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.

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

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

The following is a 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> |
|-----------------|---|----------------|
| 64-7 | QAP Review Program | Open |
| 64-10 | Trend Analysis | Open |
| 71-17 | Computerized Civil Drawing Register | Open |
| 71-29 | Use of "Retired" FCRs | Open |
| 74-21 | US Testing Corrective Action | Open |
| 74-25 | Expansion Anchors | Open |
| 75-9 | RE Document Control | Open |
| 76-14 | Lateral Wellpoints at CT 1/12 | 78-10 |
| 77-4 | Tracking of Attachments to Design Documents | 78-2 |
| 77-12 | FCR Processing Task Force | Open |
| 77-13 | Drawing Attachment Stamp | Open |
| 77-29 | QE Monitoring Activities | Open |
| 78-22 | Concrete Truck Inspection | Open |

J. A. Benson for W. E. Kilker
 Project Engineer

J. A. Benson for A. S. Jenkins
 Project Manager

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

Held at Midland Site
Midland, Michigan
March 12, 1984

Present For:

Consumers Power

G. Murray

Bechtel

J. Fisher
E. Cvikl
J. Gaydos

MPQAD

J. McMaster
R. Sevo

Stone & Webster

W. Kilker
L. Rouen
D. Zito
D. Benvie

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 78-1 - Auxiliary Building Underpinning Activities.

Excavation of the bells for piers CT-1/12 is in progress.

Installation of the bell mudmat for pier Kc-4 has been completed.

Installation of the pier Kc-9 upper leveling plate has been completed.

Excavation of the pier W-16 bell is in progress.

Installation of bell bracing and placement of the bell mudmat for pier E-16 has been completed.

Drilling for installation of a wellpoint in the E-16 drift to dewater the soil in the vicinity of the E-17 pier has begun.

(INFORMATION ITEM)

Item 78-2 - Tracking of Attachments to Design Documents.

In response to an Assessment Team question concerning the tracking of attachments to design documents, E. Cvikl provided the Assessment Team with a copy of the Project Engineering Procedure, PEP 4.46.1. This procedure is used in the preparation, review, approval and control of engineering drawings. (CLOSES ITEM 77-4)

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

Held at Midland Site
Midland, Michigan
March 12, 1984

New Items

Item 78-3 - Document Review at Work Stations.

L. Rouen stated that during a review of controlled drawings at two work area stations, one deficiency was noted at each area. The first deficiency was a missing DCN to a drawing while the other involved a missing FCR. In both cases neither of the change documents were attached to the drawing nor were the documents identified in the block stamp on the front of the drawing. The Assessment Team requested FSO to determine why the documents were not attached or identified on the drawings. J. Fisher will respond. (OPEN ITEM)

Item 78-4 - FSO Controlled Document Review.

J. Fisher stated that a monthly review of FSO controlled documents will be conducted by FSO on March 17 and 18. (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
March 13, 1984

Present For:

Consumers Power

G. Murray
R. Wieland

Bechtel

J. Fisher
E. Cvikl
J. Gaydos

MPQAD

Stone & Webster

W. Kilker
L. Rouen
D. Benvie

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 78-5 - Auxiliary Building Underpinning Activities.

Installation of the bell support plates has been completed in piers CT-1/12.

Reinforcing steel installation has begun in piers Kc-4.

Bell support channels have been set and the bell mudmat was placed for pier W-16.

All rock bolts for the east level "C" wales have been grouted into place.

(INFORMATION ITEM)

Item 78-6 - Dewatering Control Tower Area.

J. Fisher reported that installation of the lateral wellpoints in the UATs to remove the perched groundwater beneath the Control Tower continues. Three of the four lateral drains have been advanced between 28 and 38 ft. into the backfill beneath the Control Tower. Drilling through fill concrete directly adjacent to the west UAT is in progress for the fourth lateral drain. (INFORMATION ITEM)

Item 78-7 - NIR # 22 - Resident Engineering Document Control Review.

E. Cvikl stated that in conjunction with the Resident Engineering response to the QAR concerning NIR # 22, MPQAD has requested Engineering to assess the impact, if any, of missing attachments to drawings on work being performed by Resident Engineering. (NIR # 22 remains OPEN) (INFORMATION ITEM)

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

Held at Midland Site
Midland, Michigan
March 13, 1984

New Items

Item 78-8 - Use of Injected Foam For Filling Tubular Lagging Internal Voids.

J. Fisher stated that the underpinning subcontractor has proposed the use of injected foam to fill the internal voids of tubular steel lagging in designated areas of the SWPS and Auxiliary Building. A demonstration on the use of injected foam will be given today by the underpinning subcontractor. (INFORMATION ITEM)

Response Items

Item 78-9 - Document Review at Work Stations.

J. Fisher concurred that the two missing attachments noted during a review of controlled documents by the Assessment Team were inadvertently not attached or identified on the drawings. W. Kilker reported that NIR # 23 has been issued as a result of the missing attachments. (CLOSES ITEM 78-3) (NIR# 23 will be tracked separately)

Item 78-10 - Lateral Wellpoints at piers CT-1/12.

In response to the Assessment Teams request to review the operation of lateral wellpoints installed in CT-1/12, J. Fisher stated that the Resident Geotechnical Engineer and the underpinning subcontractor had determined that the system was functioning adequately at the time and therefore no adjustments were warranted. B. Metros questioned who would monitor the operation of the lateral wellpoints that are being installed in the UATs and what type of monitoring will be performed. J. Fisher will respond. (CLOSES ITEM 76-14) (OPEN ITEM)

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

Held at Midland Site
Midland, Michigan
March 14, 1984

Present For:

Consumers Power

G. Murray
R. Wieland *

Bechtel

J. Fisher
E. Cvikl
J. Gaydos

MPQAD

R. Sevo

Stone & Webster

R. Lykens
P. Majeski
D. Zito
D. Benvie

Parsons Brinckerhoff

J. Oliveira

Part time *

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 78-11 - Auxiliary Building Underpinning Activities.

The mudmats for piers CT1 and CT12 will be placed today.

The two horizontal drains on the east side of the control tower have been advanced to 28 and 33 feet. The drains on the west side have been advanced to 33 and 38 feet.

J. Fisher indicated that Road Map meetings for installation of reinforcing steel in CT 1/12 are scheduled for 3/15 and 3/16.

(INFORMATION ITEM)

New Items

Item 78-12 - FCR Processing Task Force.

J. Fisher indicated that the kick off meeting for a task force to evaluate ways to facilitate processing of FCRs will be held tomorrow. Methods to facilitate NCR processing, which is considered to be less critical with respect to schedule impacts, will be begun at a later date. (Item 77-12 remains OPEN) (INFORMATION ITEM)

Response Items

There were no response items discussed.

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

Held at Midland Site
Midland, Michigan
March 15, 1984

Present For:

Consumers Power

G. Murray

Bechtel

J. Fisher
E. Cvikl
J. Gaydos
J. Blanchard

MPQAD

R. Sevo
J. McMaster

Stone & Webster

R. Lykens
P. Majeksi
D. Benvie

Parsons Brinckerhoff

J. Oliveira

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 78-13 - Auxiliary Building Underpinning Activities.

The mudmats for piers CT1 and CT12 were placed yesterday. Placement of bell reinforcing steel will begin today.

The horizontal drain installation was completed yesterday on the east side of the control tower. The drain installation on the west side is expected to be completed today.

(INFORMATION ITEM)

New Items

Item 78-14 - Rejacking of W-8 Grillage.

D. Benvie asked if the W-8 Grillage is to be rejaacked. E. Cvikl responded that rejaacking is expected to start today after lock off of the E-8 Grillage which was rejaacked yesterday. (INFORMATION ITEM)

Item 78-15 - NIR # 23, Document Review at Work Stations.

J. McMaster indicated that a QAR has been issued to initiate response to NIR # 23. (INFORMATION ITEM)

Item 78-16 - Review of Weekly Report No. 77.

The text of Weekly Report No. 77 was reviewed. It was determined that all open items had been previously identified. (CLOSED ITEM)

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

Held at Midland Site
Midland, Michigan
March 15, 1984

Response Item

Item 78-17 - Lateral Wellpoint at CT 1/12 .

In response to the Assessment Team question concerning responsibility for dewatering well performance (Item 78-10) , J. Fisher indicated that the responsibility to develop dewatering methods lies with the subcontractor, but is subject to RGE approval. Monitoring of the functioning and effectiveness of the dewatering system is the joint responsibility of the subcontractor and the RGE. (CLOSES ITEM 78-10)

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

Held at Midland Site
Midland, Michigan
March 16, 1984

Present For:

| <u>Consumers Power</u> | <u>Bechtel</u> | <u>MPQAD</u> | <u>Stone & Webster</u> |
|------------------------|----------------|--------------|-----------------------------|
| G. Murray | J. Fisher | R. Sevo | R. Lykens |
| J. Mooney | J. Gaydos | J. McMaster | P. Majeski |
| J. Schaub | | | D. Benvie |
| R. Wieland | | | |
| | | | <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 78-18 - Auxiliary Building Underpinning Activities.

The reinforcing steel in the bells of CT1 and CT12 is being installed.

Placement of concrete in the bells of CT-1 and CT-12 is planned for today and tomorrow respectively.

The reworking of the W-8 grillage is scheduled for today.

The installation of the horizontal drains beneath the Control Tower is complete. It is anticipated that pumping will start soon.

(INFORMATION ITEM)

Item 78-19 - QAP Review Program.

J. Fisher indicated that the full committee is planning to meet today to finalize its recommendations to management. (INFORMATION ITEM)

Item 78-20 - FCR Processing.

J. Fisher indicated that Field Engineers and Resident Engineers are going on an overtime schedule to reduce the number of outstanding FCR's. (INFORMATION ITEM)

Item 78-21 - NIR # 23, Document Review at Work Stations.

FSO's response to the QAR regarding deficiencies in attachments to drawings at work stations will be transmitted to MPQAD today. (INFORMATION ITEM)

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

Held at Midland Site
Midland, Michigan
March 16, 1984

New Items

Item 78-22 - Concrete Truck Inspection.

D. Zito reported that he noted several pieces of hardened concrete were removed by the laborers from the grate at the concrete pump during placement of the concrete for Kc-4. Apparently these pieces of concrete were an accumulation from the mixing blades of either the truck or the batch plant. The Assessment Team does not have a concern about the quality of the concrete placed in Kc-4. However, this incident may be an indication that improvements in the periodic inspection program for the concrete trucks or batch plant are required. D. Zito requested a copy of the procedures for the inspection program.
(OPEN ITEM)

Response Items

No response items were discussed.

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

Held at Midland Site
Midland, Michigan
March 12, 1984

Present For:

Consumers Power

G. Murray

Bechtel

J. Fisher
E. Cvikl
J. Gaydos

MPQAD

J. McMaster
R. Sevo

Stone & Webster

W. Kilker
L. Rouen
D. Zito
D. Benvie

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 78-1 - Auxiliary Building Underpinning Activities.

Excavation of the bells for piers CT-1/12 is in progress.

Installation of the bell mudmat for pier Kc-11 has been completed.

Installation of the pier Kc-9 upper leveling plate has been completed.

Excavation of the pier W-16 bell is in progress.

Installation of bell bracing and placement of the bell mudmat for pier E-16 has been completed.

Drilling for installation of a wellpoint in the E-16 drift to dewater the soil in the vicinity of the E-17 pier has begun.

(INFORMATION ITEM)

Item 78-2 - Tracking of Attachments to Design Documents.

In response to an Assessment Team question concerning the tracking of attachments to design documents, E. Cvikl provided the Assessment Team with a copy of the Project Engineering Procedure, PEP 4.46.1. This procedure is used in the preparation, review, approval and control of engineering drawings. (CLOSES ITEM 77-4)



STONE & WEBSTER MICHIGAN, INC.

P.O. BOX 2325, BOSTON, MASSACHUSETTS 02107

| PRINCIPAL STAFF | | | |
|-----------------|-----|-------|-----|
| RA | WOS | FL | |
| D/RA | | DE | |
| A/RA | | DE/SA | |
| PC | | DE/HA | |
| PAO | | SUSK | |
| | | ML | |
| | | FLIB | WOS |

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Mr. J. J. Harrison
 Nuclear Regulatory Commission
 799 Roosevelt Road
 Glen Ellyn, Illinois 60137

March 27, 1984
 J.O. No. 14509

DOCKET NO. 50-329/330
 MONTHLY THIRD PARTY ASSESSMENT MEETING
 MIDLAND NUCLEAR COGENERATION PLANT

The protocol governing communications for the Remedial Soils and Construction Completion Programs at the Midland Plant, specifies a monthly meeting to discuss third party assessment activities and assigns preparation of the minutes of those meetings to Stone & Webster.

Enclosed are minutes of the meeting held on March 8, 1984.

A. P. Amoruso
 A. P. Amoruso
 Project Manager
 CIO

A. S. Lucks for
 A. S. Lucks
 Project Manager
 Underpinning and Remedial Soils

Enclosures

cc: JWCook, CPCo
 DLQuamme, CPCo
 JAMooney, CPCo
 RAWells, CPCo

8405040261

TBD 4 1001

MINUTES OF THE MEETING OF MARCH 1984

STATUS OF INDEPENDENT ASSESSMENT
OF UNDERPINNING AND REMEDIAL SOILS WORK

PURPOSE

The purpose of the public meeting was to report the status of the Stone & Webster Assessment Team activities and observations regarding underpinning and remedial soils work.

SUMMARY

Mr. Lucks opened the meeting by stating that P. Majeski would present a summary of the Assessment Team activities and observations. This summary covers weeks 72 through 75 which corresponds to January 29, 1984, through February 25, 1984.

P. Majeski began the summary with the status of underpinning work at the auxiliary building. Four piers are currently under construction at both the east and west sides. During the last month activities have included excavation, lagging, and concreting.

At the service water pump structure, lagging have been installed to a depth of approximately four feet in the area of underpinning. Wale seats and

wales are being installed at the east end of the structure and on the east side of the north wall.

The next area addressed was a summary of Assessment Team activities. These activities were:

- o Resident Engineering Document Control
- o Underpinning Construction
- o QA, QC Performance
- o Field Document Control Upgrading
- o U.S. Testing Upgrading
- o Crack Monitoring
- o Welding Procedures
- o Work Activity Packages

On February 17 and 18, the Assessment Team reviewed Resident Engineering's controlled documents to determine whether:

- o Attachments to Resident Engineering documents were being posted properly.
- o Lessons learned from Phase III reviews of Field Document Control are being applied to Resident Engineering Documents.

The Assessment Team reviewed the attachments to Resident Engineering copies of Civil (Soils) Drawings and specifications. The associated

correspondence and applicable procedures are being reviewed, and the Resident Engineering staff was interviewed.

These reviews have resulted in two findings. The first finding identifies discrepancies in the posting of attachments to drawings and specifications which resulted in the issue of NIR 22. The second finding indicates a need for better response by Engineering to communications between Engineering and Construction concerning potential problems. Copies of correspondence between Site Management and Engineering, indicating the need for attention to these document control problems, were received one month before the discrepancies in NIR 22 were found by the Assessment Team.

Corrective actions that are being taken to address the discrepancies include, a review and upgrading of documents where necessary, and revision of document control procedures.

The Assessment Team will continue to review document control procedures and overview the Resident Engineering corrective actions.

The Assessment Team's second activity concerned underpinning construction. Specifically, the team observed chemical grout installation, installation of wale seats and walas in the service water pump structure, also the installation of drift steel, lagging and backpacking. All observed work was performed in a satisfactory manner and according to construction procedures.

The third Assessment Team activity was an overview of QA/QC functions. This activity included, a review of inspector certifications and closed inspection reports for completeness, review of the stick files of Field Document Control and MPQAD for proper posting of attachments, an evaluation of QC performance demonstrations, and a review of the training of crafts people. These observed functions were performed according to the project requirements.

The fourth Assessment Team activity concerned the upgrading of Field Document Control. The Assessment Team has continued to review the progress in this area. The Field Soils Organization (FSO) has recently assumed responsibility for the document control of both underpinning subcontractors. The Assessment Team will continue to monitor the activities in this area.

The fifth Assessment Team activity addressed the upgrading of U.S. Testing. U.S. Testing continues to make improvements in preparing work instructions, and the cross-training of technician and the laboratory chief. The Assessment Team is satisfied with the progress made in the past month.

An overview of crack mapping was the sixth Assessment activity covered in this summary. Weekly Report 74 stated that 25 Nonconformance Reports (NCRs) were written against crack mapping activities over the period of a few weeks. An Assessment Team review of these NCRs revealed that they were minor in nature and did not invalidate the data nor did they indicate incomplete mapping of the cracks. The fact that MPQAD uncovered these deficiencies indicates that the inspection process is functioning properly.

The Assessment Team considers Engineering's response to preclude recurrence to be appropriate and will continue to overview the crack mapping activities including those of MPQAD.

For the seventh activity, the Assessment Team completed a review of the welding procedures. All Assessment Team comments have been incorporated into the welding procedure and NIR 21 was closed. An FSO welding engineer conducted a field evaluation of past welding to ensure that no welds had been made under conditions of severe external shrinkage restraint. No welds of this type were found. An overview by the Assessment Team confirmed this finding and this item is also closed.

The final Assessment Team activity was an overview of five work activity packages (WAPs). All of these overviews are complete. They are:

- o WAP 58 - Brackets and Struts at E/W-10, Struts at E/W-11 and Mass Excavation of Zones Y/Z - 3
- o WAP 74 - Auxiliary Building Slab Support Brackets at El 614
- o WAP 75 - Concrete Encasement of Concrete Stress Meters for SWPS
- o WAP 77 - SWPS Install Phase II A/B Solder Beams
- o WAP 80 - Auxiliary Turbine Building Vertical Movement Monitoring

This concluded the summary of Assessment Team activities.

Mr. Majeski then summarized the status of the Nonconformance Identification Reports (NIRs) that were active during the past month:

- o NIR 20 which concerned the calibration of concrete admixture dispensers was closed.

- o NIR 21 which concerned the weld tech sheets for the subcontractors welding procedures was closed as discussed above in the summary of activities.

- o NIR 22 concerns discrepancies in posting attachments to Resident Engineering drawings and specifications. This NIR remains open until the corrective actions that were discussed in the summary of activities have been satisfactory completed.

Mr. Majeski concluded his presentation by stating that there are currently ten open items from the daily meetings that require action prior to closure.

Mr. Lucks stated that there were no open Action Items for Stone & Webster or Consumers Power from the last meeting and indicated that Mr. J. Mooney of Consumers Power would give a presentation on the Quality Action Point (QAP) program.

Mr. Mooney indicated that the QAP program was initiated to evaluate and, if necessary, improve procedures and documentation that support construction. The program consists of a QAP Committee (chartered in September of 1983)

and a QAP Subcommittee. The intent was to pick a representative construction activity (system installation) and have the Subcommittee review the support documentation along with the associated procedures to evaluate the efficiency of the implementation.

The Committee was responsible for determining the system to be reviewed, the guidelines of the review, the members of the Subcommittee, and overseeing of the Subcommittee activities. The Subcommittee was responsible for conducting and documenting the review, evaluating the results, and submitting recommendations for improvements.

After reviewing three construction processes under this program, the Subcommittee came to the following general conclusions:

1. Design documents were adequate
2. Associated procedures are comprehensive
3. Inspections were appropriate

The Subcommittees' recommendations included guidelines and philosophy for developing future procedures and PQCI's. These conclusions and recommendations are still to be reviewed and approved by the full committee. This concluded J. Mooney's presentation.

QUESTIONS AND ANSWERS

The NRC asked several questions concerning items included in Weekly Reports 72 through 75.

1. The Assessment Team observation on page 2 of Weekly Report 72 concerns the policy for retiring documents and mentions that it was determined upon lifting the Stop Work Order that a procedure was needed to ensure proper implementation of retired attachments. Why is this procedure needed after the extensive corrective actions were completed to lift the Stop Work Order? It has been determined that there is a need that was highlighted by the duration of the Stop Work Order, to use one time deviations for periods longer than the 30 day period given in the original procedure. An interim method to allow retired documents to stay with the appropriate drawings longer than 30 days if necessary has been developed. This interim method has been and will be in effect until the procedure is issued.

2. Page 3 of Weekly Report 72 indicates a lack of progress in the QAP program. Would Stone & Webster explain the details behind this statement? The Assessment Team had been concerned about the apparent lack of progress with the QAP program. However, it was later determined that key members of the Subcommittee had been involved with the corrective action for the Stop Work Order and the crack mapping program, activities which took priority. Based upon recent activities, the Assessment Team is now satisfied with progress on the QAP program.

3. For item 72-12, what is the background for issuing NIR 21? Weld qualification forms had not been filled out properly. These discrepancies did not effect the actual qualification of the weld

and had no impact on hardware, but was a matter of providing the correct information on the form.

4. The NRC asked for more specifics concerning AWS D 11-80 where the preheat requirements tie into welding under conditions of severe external shrinkage. Consumers Power indicated that they would provide those specifics.
5. Concerning item 72-17, does Consumers Power intend to turn the work on the Borated Water Storage Tank foundations back to Construction, according to the philosophy agreed upon for major activities? Consumers Power was asked to consider this.
6. Item 72-16 discusses deleting the "AR" stamp from the appropriate document when work is completed on an active retired FCR. Does this mean that the appropriate document will have no indication on it that there is an associated retired FCR? "AR" designation is replaced with an "R" designation so there will be identification of an associated retired document.
7. When Stone & Webster indicates in the last line of the opening paragraph on page 3 of Weekly Report 73, that the contractor has established appropriate measures and controls to ensure that the documents are handled properly, was that in reference to Field Document Control? Yes.

8. Page 4 of Weekly Report 73 indicates NIR 21 was closed. Where is this addressed in this report? Stone & Webster indicated that the details of the closure were distributed separately, and discussed in item 74-2 of Weekly Report 74.

9. Regarding Item 73-2, that requests clarification on whether vendor documents and FSK drawings will be listed on the drawing register. The NRC was of the opinion that those documents were already on the drawing register. Stone & Webster indicated that the request for clarification resulted from a review of the new computerized drawing register intended under System 38. The documents in question are on the existing drawing register which will be replaced by the computerized system. The computerized system will also include vendor documents and FSK drawings.

10. The last sentence on page 2, paragraph 3 of Weekly Report 74 discusses a need for a more coordinated effort between FSO and MPQAD to ensure that differences in interpretation of design requirements are resolved in a more timely manner. Can Stone & Webster elaborate on this? Stone & Webster observed a situation where differences in interpretation of a change to a drawing for a drift invert delayed a concrete pour from Friday to Monday while FSO and MPQAD resolved the problem. This concern is minor. Consumers Power indicated that it was a conscious decision to delay the pour until Monday. The difference in interpretation was resolved quite quickly.

11. Page 3 of Weekly Report 74 addresses 25 NCRs written against the crack mapping program. The NRC is surprised at the magnitude of the number of NCRs being written after the improvements that have been instituted in the program. SWEC stated that the NCR discrepancies were minor and repetitive in nature and did not invalidate the data. The nature of these NCRs indicate a very effective MPQAD review. Consumers Power stated that, with the recent changes, the crack mapping program is very adequate, but QAR 141 has been issued to track and address the problems that remain. A two team approach to crack mapping is now in effect and the subcontractor is assigning a full-time QA engineer to this work.

12. For item 74-8 would someone explain what Weldcrete is? Weldcrete is a bonding agent used in concrete patching or grouting installations.

13. Was item 74-10, an NCR concerning the identification of non-Q material, a material identification problem with the vendor?
Yes.

14. What are the circumstances of Item 74-12 concerning incomplete penetration of Hilti bolts? Consumers Power stated that, on a specific occasion, one out of six bolts did not meet the penetration requirements. Engineering evaluation concluded that the remaining five were adequate and accepted the condition.

15. Are the 15 NCRs mentioned in Item 74-15 included in the previously discussed 25 NCRs against crack mapping? Yes.
16. In Item 74-17, what type of misunderstanding existed between MPQAD and the FSO? This was the same item discussed above in Item 10. Consumers Power indicated that some details of a design change needed to be interpreted because there were no specific requirements or standards addressing them. The discussion between MPQAD and the FSO centered on this interpretation. Stone & Webster stated that the Assessment Team's concern was that the resolution of this type of problem should be deferred to Engineering as soon as it is recognized, to preclude delays.
17. Item 74-20 states that a system for tracking renewal of certification for quality related equipment is in effect. Is this system new? If so, what occurred prior to this? The Assessment Team was concerned about the possibility of renewal of equipment certification causing a work delay. The question was intended to verify that tracking was occurring for all quality related equipment. There is an existing certification system.
18. Item 74-23 states that the U.S. Testing Manual is being reviewed by Project Engineering and an issue date is forecast. Has MPQAD reviewed the manual for quality impact? Yes. Has the manual been issued? Yes. The manual was also reviewed by the Assessment Team and found to be satisfactory.

19. Item 74-25 concerns the loosening of washers on expansion anchors. Is this generic or an isolated issue? Consumers Power stated that this was an open item still under evaluation. To date it has occurred with washers on drift sets against very rough concrete.
20. The last paragraph on page 2 of Weekly Report 75 cites discrepancies in the documents controlled by Resident Engineering Document Control Stations. After all the corrective action to the FSO Document Control System initiated during the Stop Work Order, why do these discrepancies exist? The Assessment Team indicated that the Stop Work Order dealt with whether the register controlling the FSO stations reflected additions to the change documents that were made by Engineering. This problem did not exist with respect to the Resident Engineering register. Consumers Power indicated that control of Resident Engineering documents was in Ann Arbor and outside the scope of the Stop Work Order. QAR 137 has been issued to resolve these issues and all documents are being checked. Is anyone sure that the drawings in Ann Arbor are satisfactory? That will not be resolved until QAR 137 is closed and MPQAD has completed checking the documents. The NRC expects an update on the action taken to resolve this issue and its impact.

21. In the third paragraph on Page 3 of Weekly Report 75 it is mentioned that a presentation on the importance of the system used to control field documents. Was this a "toolbox" meeting? It was a presentation to the craftsmen by the subcontractors' field engineer during a Quality Awareness Session.

22. Why does NIR 20 on the bottom of page 3 of Weekly Report 75 state that it's closed and the last sheet of the report says it's open? The daily meeting takes place in the morning and this NIR must have been closed late in the day on the Friday of this report. The details of the closure will be on Weekly Report 76.

23. Item 75-5 discusses two procedures for a Consumers Power trend analysis program. Isn't there a program in effect now? Yes, the current program is manual. This item addresses converting the manual system to a computerized system.

24. Has Consumers Power responded to Item 75-15? Consumers Power stated that they had responded. The Assessment Team indicated that the response had not been evaluated yet, and that NIR 22 was still open. The NRC stated that they would review the details of the response during the normal course of NIR resolution.

Required Action

No open action items are required for the Assessment Team from this meeting.

The following item remains open for Consumers Power Co. from the February meeting:

1. The NRC and Consumers Power Co. will confer on the crack mapping survey data presented during February.

MINUTES OF THE MEETING ON MARCH 8, 1984

STATUS OF CONSTRUCTION IMPLEMENTATION OVERVIEW (CIO) PROGRAM

Purpose

To discuss Third Party Overview activities of Stone & Webster (S&W) and problems encountered regarding the Construction Completion Program (CCP) during February 1984.

Summary

Mr. A. P. Amoruso, Project Manager for the CIO Program, presented a summary of Program activities for February 1984. The following topics were covered:

° Assessment Activities

Opportunities to assess the Construction Completion Program (CCP) increased during February due to the lifting of the remaining restraints of stop-work orders that had been issued because of concerns about field change and document control problems. Status assessment and quality verification inspection activities of the CCP increased during the month in accordance with controls established by Consumers Power Company. These activities received the principal focus of the CIO. Other activities that were assessed included document control corrective measures, the Midland Project Quality Assurance Department (MPQAD) audit program, training presentations, and training records. Summaries of these activities follow:

- Status Assessment and Quality Verification Inspections. Statusing and verification inspections in the five modules of Unit 2 that had been released were checked. These checks found that procedures and instructions were being complied with, documents in use agreed with master registers, and personnel carrying out the work had been properly trained. No CIO nonconformances were identified.

- Document Control Corrective Measures. To verify the adequacy of steps taken to correct document control problems, the Field Document Control Center (FDCC), the Field Document Distribution List (FDDL), and activities in the field were checked. Approximately 4000 documents issued from the FDCC were reviewed. No major discrepancies were noted. Minor discrepancies, such as illegibility, clipped reproductions, and assembly errors, were detected in less than 1% of the documents. The FDDL was checked, and a couple of discrepancies were identified. These discrepancies were a work print request that was not reflected in the FDDL and documents that were distributed but not requested. Documents being used in the field for statusing and quality verification inspections were routinely checked for correctness. No discrepancies were found.
- MPQAD Audit Program. Site auditing activities were evaluated. Several discrepancies were identified in audits that had been performed prior to the establishment of a distinct audit group in the MPQAD organization in June 1983. These discrepancies included using correction fluid on a report instead of lining out and inserting corrections, documenting non-conformances detected during an audit as observations instead of by Audit Finding Reports, and closing out an audit before a recommended procedural revision had been made. Also, the need to review past audits to assure adequacy, proper closeout, and identification of applicable criteria from 10CFR50, Appendix B, was addressed. Since June 1983, audits have been conducted thoroughly and orderly. Several recommendations for improving the program were provided. These recommendations covered the definition of responsibilities, procedural controls for tracking and statusing findings, training certifications, and auditor records.

- Training Presentations. Two training presentations for non-manual construction personnel and one for MPQAD personnel were evaluated. These presentations followed lesson plans and met training objectives.
- Training Records. Some 2000 training records, representing some 115 construction people, were inspected by sampling. The most significant discrepancy found was missing revision numbers on documents listed on the training sheets for one person. Training records for some 650 MPQAD people were also inspected by sampling. Minor discrepancies were noted in less than 1% of records checked. These discrepancies included illegibility of signatures and missing signature dates.

In programs outside the CCP, but being monitored by the CIO, assessment activities during the month focused on the Spatial System Interaction Program (SSIP). The analyses of 39 interactions were witnessed. These analyses were found to be following governing procedures. Activity level in the Nuclear Steam Supply System (NSSS) and Heating, Ventilation, and Air Conditioning Program (HVAC) was low during the month but is expected to increase in March.

° CIO Items, Nonconformances, and Hold Points

Ten CIO items were identified during February. These items follow:

- Request for the plan of action to resolve procurement control deficiencies identified in an MPQAD audit.
- Request for copies of audit reports addressing Criterion XVIII, 10CFR50, Appendix B.
- Request for a list of CCP teams and associated scopes of work and schedules.
- Request for the quality assurance program, procedures, and target list used by Mark Technologies Corporation for the Spatial System Interaction Program.

- Request for clarification of training requirements for CCP teams conducting status assessment of raceways.
- Request for information on how source documents listed in lesson plans are updated.
- Recommendation that instructors continue to be evaluated no later than the first training class taught on a subject.
- Review of past audits to assure applicable criteria from 10CFR50, Appendix B, are addressed.
- Review of audits performed prior to June 1983 to assure that adequacy and closeout requirements are met.
- Recommendations to improve the audit program.

Nine items were closed during February. The three items addressing administrative problems with training records were closed after the problems were corrected. The request to ascertain that controlled documents were used to perform safety related work was closed after the policy governing that subject was repromulgated and problems identified during the field change resolution program were corrected. The item addressing the need to ensure that documents were processed through the field change resolution program before being used for diesel generator work was closed upon completion of the resolution program before diesel generator work began. The request for controls for checklists that did not contain all attributes of governing procedures was closed when a policy statement was issued requiring that all checklists contain all attributes of governing procedures. The item providing recommendations to improve the status assessment and work print program was closed after the recommendations were adopted. The item addressing the need for formal direction on processing Q Interface construction work packages was closed after the meaning of the Q Interface term was promulgated. The request for the quality assurance program, procedures, and target list used by Mark Technologies Corporation was closed when the material was provided.

Five nonconformances identified by the CIO Program were open at the end of February. These nonconformances follow:

- Transmittals for safety related vendor documents not being sent as required to MPQAD and the Project Supplier Quality Representative.
- Corrections to an audit report made by correction fluid.
- Nonconformances detected during an audit classified as observations instead of by audit finding reports.
- Corrective action for an audit finding not accomplished before closing the audit.
- FDDL not updated after processing a work print request. Unsolicited drawings received by one station.

Six nonconformances were verified corrected and closed during February. Two of the nonconformances involved administrative discrepancies in training records of CCP team members, one involved level of training discrepancies in the construction team training matrix, and three involved document control discrepancies. Three Hold Points established by the CIO Program were open at the end of February. These Hold Points follow:

- Development of a vendor equipment verification program before the start of Phase II of the CCP.
- Evaluation of the management review of the results of Phase I activities before the start of Phase II of the CCP.
- Reinstatement of the requirement to certify the accuracy of thermocouples and extension wires for post weld heat treatment before using the thermocouples.

Four Hold Points were released during February. Three of the Hold Points involved training records and the training matrix. The fourth Hold Point involved the completion of the field change resolution program.

° Highlights of February

The principal effort of the CIO Program during February was monitoring status assessment and sampling verification inspections of Phase 1 of the CCP. Mr. J. E. Karr, CIO Site Program Manager, presented a summary of this effort. The following main topics were covered:

- Status Assessment

Five modules of Unit 2 have been released for status assessment. These areas are Module 340, the area outside the D-ring in the reactor building; Module 120, elevation 584 of the auxiliary building; Module 410, elevation 614 of the turbine building; Module 102, the east pipeway of the auxiliary building; and Module 800, the service water pump structure.

A summary of activities in the modules follows:

- Module 340. All of the principal disciplines are engaged in statusing. These disciplines are architectural, civil, controls, electrical, instrumentation, and mechanical. Assessment is about 9% complete.
- Module 120. Architectural, civil, electrical, instrumentation, and mechanical disciplines are engaged in statusing. Assessment is 18% complete.
- Module 410. The only safety related item identified in this area is an equipment pedestal. A closed inspection report exists for the item. Therefore, status assessment is not required.
- Module 102. Electrical, instrumentation, and mechanical disciplines are engaged in statusing. Assessment is 11% complete.
- Module 800. Civil, electrical, and mechanical disciplines are engaged in statusing. Assessment is less than 1% complete.

- Verification Inspections

Inspections have not started in three of the five modules released for verification. These areas are Modules 102, 120, and 410. Inspections in Module 340 are about 1½% complete and in Module 800 less than 1% complete.

- Findings

No CIO nonconformances have been identified in the status and verification activities accomplished to date.

° Miscellaneous Items

- CIO Staff

The CIO staff increased to 33 during February in preparation for the projected workload in March.

- Concerns of Consumers Power Company Employees

- A Consumers employee contacted a member of the CIO team and expressed his opinion that a supervisor was in trouble with upper management because the supervisor insisted on maintaining a firm position on quality assurance concerns. The supervisor was contacted. He said that similar statements had come from those working for him, but upper management had not expressed any dissatisfaction with his work.
- A Consumers employee contacted a member of the CIO team and stated that he thought work prints were being received that should not have been issued because the prints were on exception lists. A check of the prints that the person was concerned about determined that the documents had been removed from exception lists before being distributed.

Questions and Answers

- ° Mr. B. L. Burgess, NRC, asked if the CIO would be looking at several hangers which were installed as Q items in Module 410 but are not now listed as Q items.

Mr. Karr stated the CIO was aware of the hangers. The hangers are in an area that will not be released for work for about six weeks. A decision on whether the hangers will be included in status assessment is expected before release of that area.

- ° Mr. J. J. Harrison, NRC, asked for additional information on the potential problem in the Spatial System Interaction Program regarding the amount of detail provided in the target list for appurtenances, boundaries, and plant locations. This item was mentioned in the CIO Weekly Report.

Mr. Karr stated that the initial target list that was reviewed did not appear to have sufficient detail to develop envelopes that would be adequate for identifying all interactions. Subsequent discussions and a more detailed target list have resolved this concern.

Mr. Harrison asked if the type of things identified would impact interactions that had been completed perviously.

Mr. Karr stated there would be no impact.

- ° Mr. Harrison asked if the CCP could be impacted during the six to nine months needed to consolidate commitments made to the NRC on a single computerized list.

Mr. D. L. Quamme, CPCo, stated that commitments are now on several lists and are being consolidated on one list for easier management control. Commitments are being tracked during the consolidation.

- ° Mr. Harrison stated that the NRC staff has reviewed resumes and affidavits furnished for CIO people. The review included checks for independence and technical adequacy. The review found the documents to be in order.

- ° Mr. Harrison asked about the resolution of the CIO item concerning the classification of field changes attached to uncontrolled specifications maintained at the CPCo document control center.

Mr. R. A. Wells, CPCo, stated that the problem involved erroneously marking uncontrolled documents as controlled and then being uncertain on how to correct the error. The problem is being resolved by removing the uncontrolled documents, which are not needed, from the control center. Then, all documents at the center will be controlled and handled in accordance with established practices.

- ° Mr. Harrison asked for background on the statement in a CIO Weekly Report that site audits had been fractionalized.

Mr. Karr stated that before June 1983, audits were performed by individuals selected from the quality assurance organization to perform specific audits. The individuals had other primary responsibilities. This type of arrangement could not be easily controlled. In June 1983, a distinct site audit group was established which eliminated the previous problems.

Mr. Harrison asked if any case was found where an individual audited the function that the individual was responsible for.

Mr. Karr stated that none had been found.

Mr. Burgess asked if the people used for those earlier audits were certified and if the certifications were documented.

Mr. Karr stated that no cases were found of certifications not being documented. However, the whole life of the project was not checked.

- ° Mr. Harrison asked for additional information on the change in the number of PQCI's which would contain welding criteria for electrical applications. The change was mentioned in a CIO Weekly Report.

Mr. Wells stated that welding criteria would now appear in two PQCIs instead of one as previously planned. This would allow the criteria to be removed from all electrical PQCIs.

- ° Mr. Harrison asked what the responses would be to the three CIO non-conformances addressing discrepancies in the site audit program. Mr. Wells stated that the current practice is not to use correction fluid. The use of correction fluid noted by one of the CIO non-conformances occurred in 1982 and appeared to be an isolated situation that did not cause a quality problem. The CIO non-conformance on the improper documentation of nonconformances identified during audits was apparently caused by the judgment call of the audit team leader at the time. The team leader apparently thought that the items were better classified as observations than nonconformances. This audit occurred in 1981. Present practices would avoid similar situations. The CIO nonconformance on the closure of an audit before recommended corrective action was accomplished appears to be a situation in which the action had been implemented but not documented at the time of closure. The audit occurred in 1981.

- ° Mr. Harrison asked if the use of interoffice memorandums and TWXs in resolving field changes to documents was a part of the field change review process.

Mr. Wells stated that he thought interoffice communications became a part of the review if documents referenced such communications.

Mr. Harrison asked Consumers Power Company to look into how interoffice communications were reviewed during the field change resolution program.

- ° Mr. Harrison asked if the requirement for checklists to contain all attributes of governing documents had been proceduralized. He also asked what method is used to ensure that checklists agree with the latest document revisions.

Mr. Quamme stated that written instructions have been given to Bechtel.

Mr. Harrison asked that Consumers Power Company address the status of proceduralizing checklist requirements at the April meeting.

- ° Mr. Harrison asked how changes to reference documents for lesson plans are incorporated in training. He also asked how instructors are evaluated.

Mr. Wells stated that changes to reference documents are reviewed for significance. If the validity of training is affected, lesson plans are changed accordingly. Supervisors initially evaluate instructors on their ability to teach. Afterwards, instructors are evaluated by students.

Mr. Harrison asked that the practices for incorporating changes to reference documents in training programs and for evaluating instructors be maintained as action items.

- ° Mr. Harrison asked if the public had any questions. The following items were discussed:

- NRC audit of crack mapping.
- Activities outside the CCP but within the CIO scope.
- Vendor equipment verification program.
- Procedures for handling concerns of site people.

Action Items

° CPCo

- Discuss how interoffice communications were reviewed during the field change resolution program.
- Discuss the status of proceduralizing checklist requirements at the April meeting.
- Discuss the practices for incorporating changes to reference documents in training programs and for evaluating instructors.



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

March 9, 1984

J.O. No. 14509
SWM-051

Docket No. 50-329/330
CIO Weekly Report No. 38
Construction Implementation Overview
Midland Nuclear Power Plant

The Construction Implementation Overview (CIO) Weekly Report Number 38, for the period February 27, 1984 through March 2, 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:
JHarrison, US NRC Glen Ellyn, IL
RJCook, US NRC Midland (site)
DLQuamme, CPCo Midland (site)
RAWells, CPCo Midland (site)
RBKelly, SWEC
RGBurns, SWEC
APAmoruso, SWEC
Public Document Room

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Stone & Webster Michigan, Inc.
CONSTRUCTION IMPLEMENTATION OVERVIEW

- CIO -

WEEKLY REPORT

NUMBER 38

PERIOD - February 27, 1984 through March 2, 1984

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CIO REPORT NUMBER 38

I. OVERVIEW

During this reporting period, Status Assessment (S/A) and Quality Verification Program (QVP) activities continued. Work remained at approximately the same level as in the previous period.

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

In Module 102 (East Pipeway to Elevation 630), S/A was in progress for the electrical and mechanical disciplines. QVP activity has not been initiated in this module.

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

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

CIO continued to monitor the performance of both S/A and QVP activities. Both activities continue to be performed in a satisfactory manner.

Other CIO activities during this period included:

- ° Field Document Control Center (FDCC) Monitoring
- ° Training Record Review
- ° Training Program Evaluation

- ° Training Matrix Evaluation
- ° Review of Concern Expressed to CIO by CPCo Employee
- ° Attendance at Various Site Meetings
- ° CIO Actions to Close Open Items and NIR's as Responses are Received

ACTIVITY SUMMARY

- A. CCP Activity Monitoring
- B. FDCC Monitoring
- C. Training Record Review
- D. Training Program Evaluation
- E. Training Matrix Evaluation
- F. Review of CPCo Employee Concern

ACTIVITY DETAILS (Paragraphs Correspond to Items in Section II)

- A. CIO activity relative to S/A and QVP consisted of the overview of work being performed in all active modules. During this period, CIO reviewed personnel qualifications, checked documents in use, witnessed work in progress and reviewed the resultant documentation. CIO also selected several NCR's generated by MPQAD during QVP and verified the conditions reported. All work and documentation observed by CIO during this reporting period was found to be satisfactory.
- B. CIO continued monitoring FDCC progress relative to the reestablishment of additional Field Document Control Stations. One new station (to be designated as Station 501) in the Radwaste Building was being prepared for operation in the near future. CIO will conduct a sample inspection of this station prior to its being placed in operation.

CIO also reviewed FDCC progress in clearing documents which were

included on "exception lists" during the FCR/FCN resolution program. Of approximately 200 documents on exception lists when the mechanical discipline stop work order was lifted, eight are remaining. Seven of these are the subject of QAR's and one proposed disposition has been rejected by BPCo and must be reprocessed. All other documents have been cleared.

- C. CIO conducted a sampling inspection of BPCo non-manual training records. Five hundred and fifty three records were reviewed which represented 55 personnel. The records were satisfactory and in compliance with FPG-2.000 (Re: Checklists numbered MP-MIS-034E, 038 and 039).

CIO conducted a sampling inspection of MPQAD training records. There were 553 attributes checked which represented a total of 656 personnel. The records were satisfactory and in compliance with Procedure B-3M-1 (Re: Checklist Number MP-MIS-018E-0009).

- D. CIO attended and evaluated the following training classes:
- ° INSTALLATION AND TESTING OF EXPANSION ANCHOR BOLTS (PQCI C-1.50)
The training was conducted in an effective manner and in accordance with Procedures B-2M, B-3M and B-3M1 (Re: Checklist Number MP-MIS-008E-0001).

CIO also conducted a partial review of Zack ongoing training. It became evident during the initial phases of the review that insufficient activity had taken place since implementing the revised program to permit a complete evaluation. CIO discontinued our activity and rescheduled it for a later date.

As a result of the partial review, several recommendations were made relative to clarification of job descriptions versus training requirements, listings of required training classes, identification of trained personnel and updating of training certifications. Zack indicated that these would be incorporated in their procedures and formally notified BPCo of this (Re: Zack letter Zs-1092 of March 6, 1984). No further activity by CIO is considered necessary on these recommendations at this time. CIO will check on the status of the items during future reviews of Zack training.

- E. CIO review of Revision 3 to the training matrix for BPCo non-manual personnel continued during this reporting period and will be completed next week. To date, no problems have been identified.
- F. During this reporting period, CIO was approached by a CPCo employee who expressed concern that pressure was being applied to a CPCo supervisor by management in order to cause a less "hard-nosed" approach to identifying and resolving quality assurance concerns. CIO informed both the NRC and CPCo management of the expressed concern. CIO followed up on the concern with personnel at the management, supervisory and working levels within CPCo and found no evidence of pressure to dilute the quality assurance effort. In a telephone conversation with the supervisor in question, CIO was informed that, although similar reports had been received from others, the individual had not received such pressure from management and, because of this, would feel uncomfortable in discussing the situation further with CIO. CIO has, therefore, closed the matter and informed the involved

parties of our action and our conclusion that no problem exists.

GENERAL

- A. CIO reviewed the BPCo practice of conducting S/A without prior cleaning of welds. This practice was determined to be acceptable for S/A activity. Upon further review, CIO also determined that, for QVP activity, welds were being cleaned to allow MPQAD inspection to take place. This closes the item reported in Attachment D to CIO Report Number 36.


- B. CIO reviewed the Zack weld coupon examination criteria reported in CIO Report Number 36, Attachment D. The report indicated that weld coupons for welder qualification were to be visually inspected only as opposed to bend testing. Our review disclosed that the coupons were for sheet metal welds. These qualification welds are performed in accordance with the requirements of AWS D-9.1 which specifies visual examination only. CIO considers the practice to be acceptable and considers this item closed.

- C. CIO staffing remained at 33 during this reporting period.


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 |
|-----|----------------|--|---------------------------|--------------------------------------|-------------------------------------|---|
| 030 | Tracked Action | Need to review Vendor Equipment Verification Program - MPQAD/SNO | Report No. 5 7/18/83 | | | |
| 034 | Tracked Action | NIR 008 issued on November 10, 1983 to address upgrading five training level codes in the System Team Training Matrix. | Report No. 22 11/14/83 | | | |
| 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 | CPCo Transmittal CSC-7267 2/14/84 | Item Notification Report 2/28/84 | QAR RA-00062 issued to investigate 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 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. |

C10 ITEM SUMMARY - CONTINUATION SHEET

| No. | Classification | Description | Open Document/Date | CPCo Response Document/Date | Closed Document/Date | Remarks |
|-----|---------------------|---|-------------------------------------|-------------------------------------|----------------------|---|
| 043 | Tracked Action | C10 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). C10 requests CPCo's plan for addressing the problems noted and for implementing and verifying corrective action on both MQAR-DAT-1 and this item. | Item Notification Report 1/6/84 | Item Notification Report 1/17/84 | | Ref. CPCo letter CSM-0719, 1/16/84 |
| 046 | Tracked Information | C10 requests placement on distribution for documentation and procedures pertinent to the NRC Project Commitment Tracking Program, advance notice of related meeting and a schedule which addresses completion of these events. | Item Notification Report 1/18/84 | Item Notification Report 2/8/84 | | Partial CPCo response - Implementation to take 8 to 12 months. |
| 048 | Tracked Action | Corrective action needed to rectify an inconsistency between anchor bolt specifications C-305 and C-306. | Item Notification Report 1/18/84 | Item Notification Report 2/7/84 | | BPCo response via letter BCCC-8987, dated 2/6/84. C10 awaiting SCN 14001 to Spec C-306. |
| 049 | Tracked Information | 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 "decontrolled" via a line-out method which is not proceduralized; and | Item Notification Report 1/26/84 | Item Notification Report 2/3/84 | | C10 awaiting completion of CPCo corrective action. |

CIO ITEM SUMMARY - CONTINUATION SHEET

| No. | Classification | Description | Open Document/Date | CPCo Response Document/Date | Closed Document/Date | Remarks |
|-----|---------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|---|
| 049 | (Con't) | (3) CPCo DCC personnel are unaware of the Bechtel Ann Arbor method of identifying document transmittals as either controlled or uncontrolled | | | | |
| 051 | Tracked Action | CIO requests to be informed of meetings regarding the proposed plan of action to address deficiencies identified in MPQAD Audit Report No. MSA-83-7 as well as a copy of the proposed plan one week prior to its implementation. | Item Notification Report 2/3/84 | | | |
| 052 | Tracked Information | CIO requests copies of audit reports for audits performed by the NRC, CPCo and BPCo of site activities/organizations which addressed Criteria XVIII of 10CFR50 Appendix B. | Item Notification Report 2/3/84 | | | |
| 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 teams' scope and their working schedule. | Item Notification Report 2/16/84 | | | |
| 054 | Tracked Information | CIO requests to be put on controlled distribution for the following Mark Technologies documents: QA Manual, Quality Plan, Procedures, Target List and all walkdown Summaries. | Item Notification Report 2/16/84 | Item Notification Report 2/28/84 | Item Notification Report 2/29/84 | Information copies of referenced documents accepted by CIO. |

CIO ITEM SUMMARY - CONTINUATION SHEET

| No. | Classification | Description | Open Document/Date | CPCo Response Document/Date | Closed Document/Date | Remarks |
|-----|------------------------|--|-------------------------------------|-------------------------------------|------------------------------------|---------|
| 055 | Tracked Information | Clarification is required regarding training requirements for area team #23/24 personnel performing status assessment of raceway completion. | Item Notification Report 2/17/84 | | | |
| 056 | Tracked Information | During a training evaluation for PQCI C-1.50 CIO observed discrepancies in the lesson plan. CIO requests a review to determine what impact these items have on the training provided. CIO further requests information on how MPQAD assures that document changes are referenced on the lesson plan. | Item Notification Report 2/17/84 | Item Notification Report 2/29/84 | | |
| 057 | Tracked Recommendation | CIO recommends that trainer evaluation be performed no later than that trainer's first training class taught, since this evaluation is used in approving the trainer to instruct. | Item Notification Report 2/17/84 | Item Notification Report 2/29/84 | Item Notification Report 3/2/84 | |
| 058 | Tracked Information | CPCo should review past audits to assure that applicable 10CFR50, Appendix B criteria were adequately addressed. | Item Notification Report 2/18/84 | | | |
| 059 | Tracked Information | CPCo should review audits performed prior to June 1983 to assure adequacy of auditing, proper close out, 10CFR50 Appendix B compliance, and objective evidence as to adequacy of the audits. | Item Notification Report 2/18/84 | | | |

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| No. | Classifi- cation | Description | Open Document/Date | CPCo Response Document/Date | Closed Document/Date | Remarks |
|-----|--------------------------------|---|--|--------------------------------|-------------------------|---------|
| 060 | Tracked Recommen- dation | C10 provides a series of recommend- ations in the following categories: 1) Management Involvement; 2) Track- ing Audits/Audit Findings; and 3) Audit Personnel Training and Certifi- cate Records. | Item Notifi- cation Report 2/17/84 | | | |
| 061 | Tracked Recommen- dation | C10 recommends that the receipt acknowledgement copy of the Bechtel transmittal form be revised to provide for a signature/date by the recipient. | Item Notifi- cation Report 3/2/84 | | | |

STONE & WEBSTER MICHIGAN, INC.
 CONSTRUCTION IMPLEMENTATION OVERVIEW
 MIDLAND NUCLEAR COGENERATION PLANT
 CIO HOLD POINT SUMMARY

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

| No. | Description | Established Document/Date | CPCo Response Document/Date | Lifted Document/Date | Remarks |
|-----|--|---------------------------------------|-----------------------------|----------------------|---------|
| 005 | CPCo has committed to develop a Vendor Equipment Verification Program. Program is required before implementation of Phase II. | Report No. 18 10/17/83 | | | |
| 007 | Evaluation of Management Review of results of Phase I activities. Evaluation is required before implementation of Phase II. | Report No. 19 10/26/83 | | | |
| 010 | NIR 008 has been issued on November 10, 1983 to address upgrading five items in the System Team Training Matrix of the Construction Training Program. Corrective action must be completed before any walkdown assessments can be performed by the personnel involved in these training activities. | Report No. 22 11/14/83 | | | |
| 015 | CIO has requested that the requirements for the exclusive use of chromel-alumel thermocouples and extension wires for PWHT and certification of the accuracy of the thermocouples via a C of C be reinstated in PQCI PW-1.00. Release is contingent upon CIO review and acceptance of the calibration certification. | Hold Point Notification Report 2/1/84 | | | |

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

NONCONFORMANCE IDENTIFICATION REPORT SUMMARY

- NOTES: 1. ◁ Identifies changes from previous report
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| No. | Description | Issue Date | Response Date | Closure Date | Remarks |
|-----|--|------------|---------------|--------------|---------------------------|
| 008 | Need to upgrade five training level codes in the System Team Training Matrix. | 11/10/83 | 02/29/84 | | Response via QAR RT-00021 |
| 014 | As documented on CIO Evaluation No. MP-MIS-074-0001, FPD 1.000 requirement that a copy of all transmittals for "Q" listed items be transmitted to MPQAD and the Project Supplier Quality Representative was not being satisfied. | 01/27/84 | | | |
| 015 | In violation of PSPG-7.1, correction fluid was used on MPQAD Audit Report No. M01-346-02. | 02/17/84 | | | |
| 016 | Contrary to their MPQAD Procedure F-1M definitions, "nonconformances" were documented as "observations" in Audit No. M01-346-02. | 02/17/84 | | | |
| 017 | The recommended corrective action for Audit finding 01F, Audit No. M01-346-02 was not implemented, yet the audit was closed out. | 02/17/84 | | | |
| 018 | In violation of FPG-2.000, Rev. 7, reading record entries for one individual omitted revision numbers for all documents listed on the forms. | 02/21/84 | 02/24/84 | 02/27/84 | Response via QAR RT-00029 |
| 019 | As documented on CIO Evaluation No. MP-MIS-082-0001, several discrepancies were identified on the FDDL. | 02/29/84 | | | |

| C10 NONCONFORMANCE IDENTIFICATION REPORT SUMMARY - CONTINUATION SHEET | | | | | |
|---|--|------------|---------------|--------------|---------|
| No. | Description | Issue Date | Response Date | Closure Date | Remarks |
| 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 | | | |

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

WEEKLY MEETING SUMMARY

| Date | Meeting Title | Attendees | Discussion Topic | CIO Comments |
|-------------------------------------|-----------------------|------------------------------|---|-----------------------------|
| Feb. 27, 1984 | HRP Meeting | MPQAD CTC | Discussed status of Hanger Reinspection Program and indicated potential start date for this program of 3-7-84. | No CIO concerns identified. |
| Feb. 28, Feb. 29, and March 2, 1984 | Area Team Staff Mtgs. | CPCo MPQAD BPCo CIO | <ol style="list-style-type: none"> 1) Emphasized need for continuing effort to keep training up to date. 2) Discussed teams' status of work. 3) Indicated the need to research potential problem areas prior to start of activity in order to prevent problems. | No CIO concerns identified. |
| Feb. 29, March 1, and March 2, 1984 | Team Meetings | CPCo MPQAD BPCo CIO | <ol style="list-style-type: none"> 1) Discussed training requirements. 2) Discussed use of MLCS System. 3) NCR's should have proposed dispositions when written. 4) May establish new Group IV for non-Q work. 5) Renewal of status assessment prints. 6) Team 19 is preparing for an ASME survey of diesel generator work. | No CIO concerns identified. |
| Feb. 29, 1984 | Area CCP Meeting | CPCo MPQAD BPCo CIO | Discussed necessary work and schedules to support turbine roll. | No CIO concerns identified. |

WEEKLY MEETING SUMMARY - CONTINUATION SHEET

| Date | Meeting Title | Attendees | Discussion Topic | CIO Comments |
|---------------|--------------------------------|------------------------------|---|-----------------------------|
| Feb. 29, 1984 | B&W HRP | BPCo CIO | Met with BPCo to outline CIO involvement in B&W Hanger Reinspection Program. | No CIO concerns identified. |
| March 2, 1984 | Project Quantification Meeting | CPCo MPQAD BPCo CIO | Discussed updated punchlist summary, restraints and reviewed computer data reports. | No CIO concerns identified. |

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STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

| PRINCIPAL STAFF | | |
|-----------------|------------|-------|
| RA | <i>See</i> | DPRP |
| O/RA | | DE |
| A/RA | | DR/SP |
| PC | | DE/RA |
| PAO | | SCS |
| SGA | | ML |
| ENF | | File |

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

March 16, 1984
J.O. No. 14509
SWM-053

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

The Construction Implementation Overview (CIO) Weekly Report Number 39, for the period March 5, 1984 through March 9, 1984, is enclosed.

This report includes a summary of CIO activities for the week and open items, NIRs, and Hold Points.

J. E. Karr
J. E. Karr
CIO Program Manager

Enclosures

JEK:NL

- cc:
- 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

MAR 22 1984

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Stone & Webster Michigan, Inc.
CONSTRUCTION IMPLEMENTATION OVERVIEW

- CIO -

WEEKLY REPORT

NUMBER 39

PERIOD - March 5, 1984 through March 9, 1984

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| III. | Activity Details..... | 2 |
| IV. | General..... | 5 |
| V. | Attachments..... | 6 |
| | A. CIO Item Summary | |
| | B. Hold Point Summary | |
| | C. Nonconformance Identification Report (NIR) Summary | |
| | D. Meeting Summary | |

CIO REPORT NUMBER 39

I. OVERVIEW

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

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

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

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

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

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

Other CIO activities during this reporting period included:

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

II. ACTIVITY SUMMARY

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

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

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

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

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

- B. CIO continued monitoring FDCC activity during this reporting period. Progress has been made toward reestablishing Field Document Control Stations; however, none have been completed at this time. It remains CIO's intent to conduct sampling inspections of reestablished stations upon completion of work by FDCC.

- C. On March 7, 1984, CIO met with CPCo and Mark Technologies, Inc. (MTC) personnel to continue discussion of the SSI Program and Procedures. Based on CIO review of information previously supplied by MTC and further information provided during this meeting, the concern identified in CIO Report Number 36 relative to the 'target list' used

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

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

- D. CIO attended and evaluated the following training class:
- ° ISSUING, VERIFYING AND DOCUMENTING TERMINATIONS AND TERMINATION REWORKS (FPE-9.200)
- The training was conducted in an effective manner and in accordance with Procedure FPG-2,000 (Re: Checklist Number MP-MIS-035E-019).
- E. On March 7, 1984, CIO personnel attended a briefing conducted by CPCo to present to the US NRC the proposed program for continued diesel generator evaluation and installation. The program presented appeared comprehensive and effective and should lead to resolution of diesel generator related issues.
- F. CIO completed the review of Revision 3 to the BPCo Training Matrix for non-manual personnel. With two exceptions, the review was satisfactory (Re: Checklist Number MP-MIS-045E-002). CIO documented the discrepancies in NIR-021 and closed CIO Item Number 34, CIO Hold Point Number 010 and NIR-008.

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

IV. GENERAL


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

considers this item closed.

V. ATTACHMENTS

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

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

NOTES: 1.  identifies changes from previous report
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CIO ITEM SUMMARY

| No. | Classification | Description | Open Document/Date | CPCo Response Document/Date | Closed Document/Date | Remarks |
|-----|----------------|--|---------------------------|-----------------------------|----------------------|---|
| 030 | Tracked Action | Need to review Vendor Equipment Verification Program - MPQAD/SMO | Report No. 5 7/18/83 | | | |
| 034 | Tracked Action | NIR 008 issued on November 10, 1983 to address upgrading five training level codes in the System Team Training Matrix. | Report No. 22 11/14/83 | | | |
| 037 | Tracked Action | CIO observed that two boards with protruding nails lying in Cable Tray 1AKA019 (Q Tray) had punctured the cable jacket of a "Q" cable. The cable is Q-Channel A, 480V, MCC. NCR 000925 was issued by MPQAD on November 22, 1983. CIO will track this item to assure that corrective action (repair) has been performed to approved procedures. | Report No. 24 11/29/83 | | | Partial response (CSC 7244 dated 1/27/84) accepted via CIO letter SWMCP-024 dated 2/3/84. Closure pending cable repair during CCP Phase II. |

CIO ITEM SUMMARY - CONTINUATION SHEET

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| 046 | Tracked Information | CIO requests placement on distribution for documentation and procedures pertinent to the NRC Project Commitment Tracking Program, advance notice of related meeting and a schedule which addresses completion of these events. | Item Notification Report 1/18/84 | Item Notification Report 2/8/84 | | Partial CPCo response - Implementation to take 8 to 12 months. |
| 048 | Tracked Action | Corrective action needed to rectify an inconsistency between anchor bolt specifications C-305 and C-306. | Item Notification Report 1/18/84 | Item Notification Report 2/7/84 | Item Notification Report 3/5/84 | SCN 14001 to Spec C-306 received by CIO to close this item. |
| 049 | Tracked Information | A CIO review of document control methods resulted in the following observations: (1) Some uncontrolled specs contained controlled copies of FCRs, FCNs and SCNs; (2) Controlled documents are being "decontrolled" via a line-cut method which is not proceduralized; and | Item Notification Report 1/26/84 | Item Notification Report 2/3/84 | | CIO awaiting completion of CPCo corrective action. |

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| 060 | Tracked Recommendation | CIO provides a series of recommendations in the following categories: 1) Management Involvement; 2) Tracking Audits/Audit Findings; and 3) Audit Personnel Training and Certificate Records. | Item Notification Report 2/17/84 | | | |

CIO ITEM SUMMARY - CONTINUATION SHEET

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|-----|------------------------|---|-------------------------------------|-----------------------------|----------------------|---|
| 061 | Tracked Recommendation | CIO recommends that the receipt acknowledgement copy of the Bechtel transmittal form be revised to provide for a signature/date by the recipient. | Item Notification Report 3/2/84 | | | |
| 062 | Tracked Action | CIO has determined that status assessment is being performed on pipe supports by personnel who have not completed required training. All personnel performing hanger support status assessment should be checked to assure they are properly qualified. Any previous supports that were assessed by unqualified personnel should be reassessed. | Item Notification Report 3/6/84 | | | CPCo has requested BPCo (Ref. CSC-7424 dated 3/7/84) to perform corrective action and respond by 3/12/84. |
| 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 | | | |

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

NONCONFORMANCE IDENTIFICATION REPORT SUMMARY

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| 017 | The recommended corrective action for Audit finding 01F, Audit No. M01-346-02 was not implemented, yet the audit was closed out. | 02/17/84 | | | |
| 019 | As documented on CIO Evaluation No. MP-MIS-082-0001, several discrepancies were identified on the FDDL. | 02/29/84 | | | |
| 020 | As documented on CIO Evaluation No. MP-MIS-082-0001, 4 out of 25 Distribution Change Request Forms were not properly signed in violation of FPZ-1.000. | 03/02/84 | | | |

▷ WEEKLY REPORT NO. 39
 Attachment C

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

WEEKLY MEETING SUMMARY

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

WEEKLY MEETING SUMMARY - CONTINUATION SHEET

| Date | Meeting Title | Attendees | Discussion Topic | CIO Comments |
|---------------|--------------------------|----------------------------|--|---|
| March 7, 1984 | Diesel Generator Meeting | CPCo BPCo NRC CIO | 1) CPCo presented program for continuation of work on diesel generators | No CIO concerns identified |
| March 7, 1984 | SSIP Meeting | CPCo MTC CIO | Discussed SSI Program and Procedures | CIO to follow-up with request for clarification of procedures to MTC via CPCo |
| March 7, 1984 | B&W Overview | B&W CIO | CIO reviewed with B&W the overview activities we anticipate relative to the B&W Hanger Reinspection Program | No CIO concerns identified |
| March 9, 1984 | QVP Assessment | MPQAD CIO | <ol style="list-style-type: none"> 1) Computer input and microfilming 2) Trend codes for coatings 3) Progress of QVP activity | No CIO concerns identified |



STONE & WEBSTER MICHIGAN, INC.

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orig

Mr. J. G. Keppler, Administrator, Region III
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799 Roosevelt Road
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March 26, 1984

J.O. No. 14509
SWM-063

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

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

This report includes a summary of CIO activities for the week and open items, NIRs, and Hold Points.

J. E. Karr

J. E. Karr
CIO Program Manager

Enclosures

JEK:NL

CC:
DLQuamme, CPCo Midland (site)
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Stone & Webster Michigan, Inc.
CONSTRUCTION IMPLEMENTATION OVERVIEW

- CIO -

WEEKLY REPORT

NUMBER 40

PERIOD - March 12, 1984 through March 16, 1984

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| 1. CCP Phase I Activity | |

CIO REPORT NUMBER 40

I. OVERVIEW

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

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

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

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

II. ACTIVITY SUMMARY

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

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

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

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

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

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

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

is to be maintained.

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

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

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

in at least five instances.

- Current welding undercut requirements appear to conflict with specified codes and the FSAR.
 - Uncertified torque paint may have been used on "Q" bolts.
 - BPCo material withdrawal requests provided to B&W appear to be corrected improperly.
- C. CIO conducted an evaluation of BPCo site auditing activities during this reporting period. Within the assigned scope of work for BPCo site personnel, the audit program is functioning adequately and in accordance with procedures (Re: Checklist MP-MIS-088-0001). Some attributes listed in CIO's evaluation checklist were not verifiable during this evaluation since they were the responsibility of BPCo's Ann Arbor or San Francisco office. These will be considered for inclusion in future CIO assessments.
- D. During CIO overview of QVP activities in Module 340, two drawings were found on a pipe whip restraint. These were not controlled or stamped as Status Assessment Prints or Work Prints. Field Document Control was notified and the prints were removed. CIO has not identified the user of the documents to date or the reason they were in the field. This issue will be followed up by CIO next week.

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

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

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

- E. CIO attended and evaluated the following training class:
 - ° Issuing, Verifying and Documenting Terminations and Termination Reworks (FPE-9.200)

The training was conducted in an effective manner and in accordance with Procedure FPG-2.000 (Re: Checklist Number MP-MIS-035E-0019)
- F. CIO reviewed Zack Welder Qualification Procedure MB-FP-18 during an ongoing assessment of Zack welding. The procedure was acceptable with the exception that the method for updating welder qualifications was not specified. This was issued as CIO Item Number 066.
- G. Meetings attended by CIO are summarized in Attachment D.
- H. Activity relative to CIO Items, Hold Points and NIR's is summarized in Attachments A, B and C respectively.

IV. GENERAL

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

V. ATTACHMENTS

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

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

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 |
|-----|----------------|--|---------------------------|-----------------------------|-------------------------------------|---|
| 030 | Tracked Action | Need to review Vendor Equipment Verification Program - MPQAD/SMO | Report No. 5 7/18/83 | | | |
| 034 | Tracked Action | NIR 008 Issued on November 10, 1983 to address upgrading five training level codes in the System Team Training Matrix. | Report No. 22 11/14/83 | N/A | Item Notification Report 3/12/84 | Item closed subsequent to NIR closure. ◁ |
| 037 | Tracked Action | CIO observed that two boards with protruding nails lying in Cable Tray 1AKA019 (Q Tray) had punctured the cable jacket of a "Q" cable. The cable is Q-Channel A. 480V, MCC. NCR 000925 was issued by MPQAD on November 22, 1983. CIO will track this item to assure that corrective action (repair) has been performed to approved procedures. | Report No. 24 11/29/83 | | | Partial response (CSC 7244 dated 1/27/84) accepted via CIO letter SWMCP-024 dated 2/3/84. Closure pending cable repair during CCP Phase II. |

C10 ITEM SUMMARY - CONTINUATION SHEET

| No. | Classifi- cation | Description | Open Document/Date | CPCo Response Document/Date | Closed Document/Date | Remarks |
|-----|-----------------------------|---|--|--|-------------------------|--|
| 043 | Tracked Action | C10 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). C10 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 Report 1/6/84 | Item Notifi- cation Report 1/17/84 | | Ref. CPCo letter CSM-0719, 1/16/84 |
| 046 | Tracked Infor- mation | C10 requests placement on distribu- tion for documentation and proce- dures pertinent to the NRC Project Commitment Tracking Program, advance notice of related meeting and a schedule which addresses completion of these events. | Item Notifi- cation Report 1/18/84 | Item Notifi- cation Report 2/8/84 | | Partial CPCo response - Implementation to take 8 to 12 months. |
| 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 "decontrolled" via a line-out method which is not proceduralized ; and | Item Notifi- cation Report 1/26/84 | Item Notifi- cation Report 2/3/84 | | C10 awaiting completion of CPCo correc- tive action. |

C10 ITEM SUMMARY - CONTINUATION SHEET

| No. | Classifi- cation | Description | Open Document/Date | CPCo Response Document/Date | Closed Document/Date | Remarks |
|-----|--------------------------------|---|--|--|-------------------------|---------|
| 056 | Tracked Infor- mation | During a training evaluation for PQCI C-1.50, CIO observed discrepancies in the lesson plan. CIO requests a review to determine what impact these items have on the training provided. CIO further requests information on how MPQAD assures that document changes are referenced on the lesson plan. | Item Notifi- cation Report 2/17/84 | Item Notifi- cation Report 2/29/84 | | |
| 058 | Tracked Infor- mation | CPCo should review past audits to assure that applicable 10CFR50, Appendix B criteria were adequately addressed. | Item Notifi- cation Report 2/18/84 | Item Notifi- cation Report 3/13/84 | | |
| 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 | | |
| 060 | Tracked Recommen- dation | CIO provides a series of recommendations in the following categories: 1) Management Involvement; 2) Tracking Audits/Audit Findings; and 3) Audit Personnel Training and Certificate Records. | Item Notifi- cation Report 2/17/84 | 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 |
|-----|------------------------|---|-------------------------------------|-----------------------------|----------------------|---|
| 061 | Tracked Recommendation | CIO recommends that the receipt acknowledgement copy of the Bechtel transmittal form be revised to provide for a signature/date by the recipient. | Item Notification Report 3/2/84 | | | |
| 062 | Tracked Action | CIO has determined that status assessment is being performed on pipe supports by personnel who have not completed required training. All personnel performing hanger support status assessment should be checked to assure they are properly qualified. Any previous supports that were assessed by unqualified personnel should be reassessed. | Item Notification Report 3/6/84 | | | CPCo has requested BPCo (Ref. CSC-7424 dated 3/7/84) to perform corrective action and respond by 3/12/84. |
| 063 | Tracked Action | During a review of referenced drawings being used for status assessment, CIO identified a number of drawing identification and revision control discrepancies. | Item Notification Report 3/15/84 | | | |
| 064 | Tracked Recommendation | CIO recommends implementation of MPQAD plan to consolidate welding inspection requirements for electrical/instrumentation equipment and supports into PQCI's CW-1.00 and EW-1.00. | Item Notification Report 3/16/84 | | | |

CIO ITEM SUMMARY - CONTINUATION SHEET

| No. | Classifi- cation | Description | Open Document/Date | CPCo Response Document/Date | Closed Document/Date | Remarks |
|-----|-----------------------------|---|--|--------------------------------|-------------------------|---------|
| 065 | Tracked Infor- mation | CIO recommends that Zack Procedure MB-FP-7C be revised to reflect the BPCo requirement that notification of addenda retirement information for BPCo documents is provided via a Subcontractor Change Notice (SCCN). | Item Notifi- cation Report 3/16/84 | | | |
| 066 | Tracked Infor- mation | CIO recommends that Zack revise either Procedure MP-FP-18 or Procedure MP-FP-23 in order that the method used to update the welder qualification matrix be properly addressed. | Item Notifi- cation Report 3/16/84 | | | |

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

CIO HOLD POINT SUMMARY

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

| No. | Description | Established Document/Date | CPCo Response Document/Date | Lifted Document/Date | Remarks |
|-----|--|---------------------------------------|--|--|--|
| 005 | CPCo has committed to develop a Vendor Equipment Verification Program. Program is required before implementation of Phase II. | Report No. 18 10/17/83 | | | |
| 007 | Evaluation of Management Review of results of Phase I activities. Evaluation is required before implementation of Phase II. | Report No. 19 10/26/83 | | | |
| 010 | NIR 008 has been issued on November 10, 1983 to address upgrading five items in the System Team Training Matrix of the Construction Training Program. Corrective action must be completed before any walkdown assessments can be performed by the personnel involved in these training activities. | Report No. 22 11/14/83 | N/A | Hold Point Notification Report 3/12/84 | Hold Point closed subsequent to NIR closure. ◁ |
| 015 | CIO has requested that the requirements for the exclusive use of chromel-alumel thermocouples and extension wires for PWHT and certification of the accuracy of the thermocouples via a C of C be reinstated in PQCI PW-1.00. Release is contingent upon CIO review and acceptance of the calibration certification. | Hold Point Notification Report 2/1/84 | Hold Point Notification Report 2/10/84 | | ◁ |

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

NONCONFORMANCE IDENTIFICATION REPORT SUMMARY

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

| No. | Description | Issue Date | Response Date | Closure Date | Remarks |
|-----|--|------------|---------------|--------------|---|
| 008 | Need to upgrade five training level codes in the System Team Training Matrix. | 11/10/83 | 02/29/84 | 03/12/84 | Reference completed checklist MP-MIS-045E-0002 and NIR 021. ◁ |
| 014 | As documented on CIO Evaluation No. MP-MIS-074-0001, FPD 1.000 requirement that a copy of all transmittals for "Q" listed items be transmitted to MPQAD and the Project Supplier Quality Representative was not being satisfied. | 01/27/84 | | | |
| 015 | In violation of PSPG-7.1, correction fluid was used on MPQAD Audit Report No. M01-346-02. | 02/17/84 | | | |
| 016 | Contrary to their MPQAD Procedure F-1M definitions, "nonconformances" were documented as "observations" in Audit No. M01-346-02. | 02/17/84 | | | |
| 017 | The recommended corrective action for Audit finding 01F, Audit No. M01-346-02 was not implemented, yet the audit was closed out. | 02/17/84 | | | |
| 019 | As documented on CIO Evaluation No. MP-MIS-082-0001, several discrepancies were identified on the FDDL. | 02/29/84 | | | |
| 020 | As documented on CIO Evaluation No. MP-MIS-082-0001, 4 out of 25 Distribution change Request Forms were not properly signed in violation of FPZ-1.000. | 03/02/84 | | | |

CIO NONCONFORMANCE IDENTIFICATION REPORT SUMMARY - CONTINUATION SHEET

| No. | Description | Issue Date | Response Date | Closure Date | Remarks |
|-----|--|------------|---------------|--------------|---|
| 021 | During a resampling/evaluation of the Construction Training Matrix in conjunction with the closure of NIR 008, two nonconformances were identified regarding requirements for training to BPCo field procedures. | 03/12/84 | | | Corrective action was initiated at the time of the evaluation in the form of changes to the appropriate matrices. |

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

WEEKLY MEETING SUMMARY

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

WEEKLY MEETING SUMMARY - CONTINUATION SHEET

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

WEEKLY MEETING SUMMARY - CONTINUATION SHEET

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

CCP PHASE I ACTIVITY
March 12 - March 16, 1984

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

*Released for partial systems only



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| RC | DRMA | |
| PAO | SCS | |
| SGA | ML | |
| FILE | File Nos | |

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

March 29, 1984

J.O. No. 14509
SWM-064

Docket No. 50-329/330
CIO Weekly Report No. 41
Construction Implementation Overview
Midland Nuclear Power Plant

The Construction Implementation Overview (CIO) Weekly Report Number 41, for the period March 19, 1984 through March 23, 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

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Stone & Webster Michigan, Inc.
CONSTRUCTION IMPLEMENTATION OVERVIEW

- CIO -

WEEKLY REPORT

NUMBER 41

PERIOD - March 19, 1984 through March 23, 1984

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

CIO REPORT NUMBER 41

I. OVERVIEW

During this reporting period, Status Assessment (S/A), Quality Verification Program (QVP) and Hanger Reinspection Program (HRP) activities continued. Activity levels continue to increase steadily as personnel are added and the number of modules and commodities being statused or verified increases. Exhibit 1 to this report identifies the modules presently available for Construction Completion Program (CCP) Phase I activity and the ongoing work, by discipline, for S/A, QVP and HRP during this reporting period.

It should be noted that the HRP referenced above is, programmatically, not a part of the CCP. However, for purposes of CIO reporting, HRP activities have been and will continue to be reported under the general topic of the CCP. This is to provide a clear understanding of the full scope of activity underway in the plant at a given time and should provide a more complete presentation of the results of CIO assessments than would be available if this item were addressed separately.

The principal effort of CIO continues to be the ongoing assessment of CCP Phase I activity. Aside from CIO Item Number 063 (see CIO Report Number 40) field activity continues in a satisfactory manner and in accordance with procedures. CIO is continuing to follow the program integration activity for CCP which will be discussed further in Section III of this report.

In addition to CCP related assessments, during this reporting period CIO devoted significant time to the continuing evaluation of document control,

the activities of Zack and B&W and to the SSI Program of Mark Technologies Corporation (MTC). These, as well as other CIO activities which required a lower level of effort, are summarized in Section II below and details are provided in Section III.

II. ACTIVITY SUMMARY

- A. CCP Activity Monitoring
- B. Document Control Assessments
- C. Training Program Evaluation
- D. Diesel Generator Program Follow-up
- E. Zack Weld Evaluation
- F. Spatial Systems Interaction Program (SSIP) Review
- G. B&W ASME Program Assessment
- H. NRC Commitment List Follow-up
- I. Attendance at Various Site Meetings
- J. CIO Action to Close Out Items and NIR's as Responses are Received

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

- A. CIO overviewed the CCP activity underway in each active module during this reporting period. In conducting this overview, CIO continued our previously reported practice of reviewing planning efforts, working documents and personnel qualifications, witnessing work in progress and following the processing of resultant documentation. During this period, the activities overviewed by CIO continued to be performed in a satisfactory manner. Overall, CIO concludes that the personnel performing CCP activity are conscientiously and rigorously following

procedural requirements in executing their assigned tasks.

CIO continues to follow the program integration efforts of CPCo and BPCo. These include the updating of the Material, Labor, Cost and Schedule (MLCS) data base, identification of work scopes and statusing of work completion. Progress in each of these areas has been noted and resolution of CIO concerns is attainable. CIO will continue to monitor this activity closely as it is an important element of the transition from Phase I to Phase II.

- B. During this period, CIO initiated an evaluation of document control activities at the Field Document Control Center (FDCC) and at those stations which are being prepared for future activation as reported in CIO Report Number 37. These are presently identified as stations numbered 209, 219, 309, 501 and 503. This evaluation is being conducted as an in-process review of the short and long term corrective actions provided to CIO in response to CIO Item Number 043. Additionally, the document control concerns expressed to CIO by a CPCo employee are encompassed. Discrepancies identified during this reporting period are detailed on CIO NIR's 022, 023 and 024. Completion of the evaluation and final results are expected next week.
- C. CIO attended and evaluated the following training classes:
- ° Verification of Electrical Raceways and Supports (FIE-9.009)
 - ° Field Fabrication, Repair and Erection of Structural Steel and Miscellaneous Material (Specification C-304C)

- Identification and Marking of Embeds Affected by Anchor Bolt Proximity Requirements (FIC-7.000)

The training was conducted in an effective manner and in accordance with Procedure FPG-2.000 (Re: Checklists numbered MP-MIS-035E-020, 021 and 022).

Additionally, CIO reviewed, evaluated and accepted the CPCo response to CIO Item Number 056 and subsequently closed this item.

- D. CIO is continuing to follow progress in the Diesel Generator Installation Program. Activities in this area continue to be performed satisfactorily. One area has been identified as a potential problem. The description of the interrelationship between MPQAD and BPCo for QA/QC activities or ASME related work needs to be clearly defined with respect to procedural control and code responsibility and authority. This will be documented in CIO Item Number 069.
- E. CIO initiated evaluations of the Zack welding program in the control room during this period. In-process work in the control room was observed as well as related activities. This evaluation will continue and should be completed in 2 to 3 weeks. No discrepancies have been identified to date.
- F. During this reporting period, CIO continued monitoring the SSIP. Currently, MTC has completed the initial system walkdowns and is engaged in evaluation of the Interaction Identification Sheets (IIS)

which were prepared during the walkdowns. Final walkdowns are not scheduled to begin until 1985. CIO has minor procedural questions remaining relative to the SSIP which will be addressed and resolved during April, 1984. With the resolution of these items, CIO's evaluation is that the initial phase of the SSIP was conducted satisfactorily, in a thorough manner and in accordance with requirements. Once resolution is obtained, CIO intends to close out SSIP related activity until the final walkdown program commences.

- G. CIO is continuing our evaluation of the B&W ASME III Installation Program. One CIO Item (Number 068) has been forwarded to CPCo as of this date. This item requests resolution of an apparent inconsistency in ASME code effective editions and addenda relative to installation of ASME component supports. No new items have been identified as concerns beyond those reported in CIO Report Number 40. Further review of those concerns and further evaluation of other program documents and activities are progressing.
- H. CIO continued to monitor progress in the consolidation of NRC commitments into the Correspondence and Commitment Management System. CPCo Site Management Office has validated their portion of CCP related commitments and forwarded them to CPCo Licensing for incorporation in the overall program. Overall progress is continuing satisfactorily.
- I. CIO attended those site meetings summarized in Attachment D to this report.

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

IV. GENERAL

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

V. ATTACHMENTS

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

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

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 |
|-----|----------------|--|------------------------------------|-------------------------------------|----------------------|---|
| 030 | Tracked Action | Need to review Vendor Equipment Verification Program - MPQAD/SMO | Report No. 5 7/18/83 | | | |
| 037 | Tracked Action | CIO observed that two boards with protruding nails lying in Cable Tray 1AKA019 (Q Tray) had punctured the cable jacket of a "Q" cable. The cable is Q-Channel A. 480V, MCC. NCR 000925 was issued by MPQAD on November 22, 1983. CIO will track this item to assure that corrective action (repair) has been performed to approved procedures. | Report No. 24 11/29/83 | | | Partial response (CSC 7244 dated 1/27/84) accepted via CIO letter SWMCP-024 dated 2/3/84. Closure pending cable repair during CCP Phase II. |
| 043 | Tracked Action | CIO Phase II 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 |

CIO ITEM SUMMARY - CONTINUATION SHEET

| No. | Classification | Description | Open Document/Date | CPCo Response Document/Date | Closed Document/Date | Remarks |
|-----|---------------------|---|-------------------------------------|-------------------------------------|-------------------------------------|--|
| 046 | Tracked Information | CIO requests placement on distribution for documentation and procedures pertinent to the NRC Project Commitment Tracking Program, advance notice of related meeting and a schedule which addresses completion of these events. | Item Notification Report 1/18/84 | Item Notification Report 2/8/84 | | Partial CPCo response - Implementation to take 8 to 12 months. |
| 049 | Tracked Information | A CIO review of document control methods resulted in the following observations: (1) Some uncontrolled specs contained controlled copies of FCRs, FCNs and SCNs; (2) Controlled documents are being "decontrolled" via a line-out method which is not proceduralized; and (3) CPCo DCC personnel are unaware of the Bechtel Ann Arbor method of identifying document transmittals as either controlled or uncontrolled. | Item Notification Report 1/26/84 | Item Notification Report 2/3/84 | | CIO awaiting completion of CPCo corrective action. |
| 051 | Tracked Action | CIO requests to be informed of meetings regarding the proposed plan of action to address deficiencies identified in MPQAD Audit Report No. MSA-83-7 as well as a copy of the proposed plan one week prior to its implementation. | Item Notification Report 2/3/84 | | | Partial response provided via CSC-7423 dated 3/6/84. CIO awaiting further CPCo action. |
| 052 | Tracked Information | CIO requests copies of audit reports for audits performed by the NRC, CPCo and BPCo of site activities/organizations which addressed Criteria XVIII of 10CFR50 Appendix B. | Item Notification Report 2/3/84 | Item Notification Report 3/12/84 | Item Notification Report 3/19/84 | A total of 40 audit reports have been provided by CPCo between 3/12/84 and 3/15/84. |

Weekly Report No 41
Attachment A

CIO ITEM SUMMARY - CONTINUATION SHEET

| No. | Classification | Description | Open Document/Date | CPCo Response Document/Date | Closed Document/Date | Remarks |
|-----|---------------------|---|-------------------------------------|-------------------------------------|-------------------------------------|---------|
| 053 | Tracked Action | As described in Section 4.2 of the CCP, CIO requests that CPCo provide a listing of all status assessment teams, the respective team's scope and their working schedule. | Item Notification Report 2/16/84 | Item Notification Report 2/23/84 | | |
| 055 | Tracked Information | Clarification is required regarding training requirements for area team #23/24 personnel performing status assessment of raceway completion. | Item Notification Report 2/17/84 | Item Notification Report 3/15/84 | | |
| 056 | Tracked Information | During a training evaluation for PQCI C-1.50, CIO observed discrepancies in the lesson plan. CIO requests a review to determine what impact these items have on the training provided. CIO further requests information on how MPQAD assures that document changes are referenced on the lesson plan. | Item Notification Report 2/17/84 | Item Notification Report 2/29/84 | Item Notification Report 3/19/84 | |
| 058 | Tracked Information | CPCo should review past audits to assure that applicable 10CFR50, Appendix B criteria were adequately addressed. | Item Notification Report 2/18/84 | Item Notification Report 3/13/84 | | |
| 059 | Tracked Information | CPCo should review audits performed prior to June 1983 to assure adequacy of auditing, proper closeout, 10CFR50 Appendix B compliance, and objective evidence as to adequacy of the audits. | Item Notification Report 2/18/84 | Item Notification Report 3/13/84 | | |

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 | | | |
| 062 | Tracked Action | CIO has determined that status assessment is being performed on pipe supports by personnel who have not completed required training. All personnel performing hanger support status assessment should be checked to assure they are properly qualified. Any previous supports that were assessed by unqualified personnel should be reassessed. | Item Notification Report 3/6/84 | | | CPCo has requested BPCo (Ref. CSC-7424 dated 3/7/84) to perform corrective action and respond by 3/12/84. |
| 063 | Tracked Action | During a review of referenced drawings being used for status assessment, CIO identified a number of drawing identification and revision control discrepancies. | Item Notification Report 3/15/84 | | | |
| 064 | Tracked Recommendation | CIO recommends implementation of MPQAD plan to consolidate welding inspection requirements for electrical/instrumentation equipment and supports into PQCI's CW-1.00 and EW-1.00. | Item Notification Report 3/16/84 | | | |

CIO ITEM SUMMARY - CONTINUATION SHEET

| No. | Classification | Description | Open Document/Date | CPCo Response Document/Date | Closed Document/Date | Remarks |
|-----|---------------------|---|-------------------------------------|-----------------------------|----------------------|---------|
| 065 | Tracked Information | CIO recommends that Zack Procedure MB-FP-7C be revised to reflect the BPCo requirement that notification of addenda retirement information for BPCo documents is provided via a Subcontractor Change Notice (SCCN). | Item Notification Report 3/16/84 | | | |
| 066 | Tracked Information | CIO recommends that Zack revise either Procedure MP-FP-18 or Procedure MP-FP-23 in order that the method used to update the welder qualification matrix be properly addressed. | Item Notification Report 3/16/84 | | | |
| 067 | Tracked Information | CIO recommends that Zack Procedure MB-FP-5 be revised to address required actions for incomplete and damaged items. | Item Notification Report 3/20/84 | | | |
| 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 | | | |

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

CIO HOLD POINT SUMMARY

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

| No. | Description | Established Document/Date | CPCo Response Document/Date | Lifted Document/Date | Remarks |
|-----|--|--|---|----------------------|---------|
| 005 | CPCo has committed to develop a Vendor Equipment Verification Program. Program is required before implementation of Phase II. | Report No. 18 10/17/83 | | | |
| 007 | Evaluation of Management Review of results of Phase I activities. Evaluation is required before implementation of Phase II. | Report No. 19 10/26/83 | | | |
| 015 | CIO has requested that the requirements for the exclusive use of chromel-alumel thermocouples and extension wires for PWHT and certification of the accuracy of the thermocouples via a C of C be reinstated in PQCI PW-1.00. Release is contingent upon CIO review and acceptance of the calibration certification. | Hold Point Notification Report 2/1/84 | Hold Point Notification Report 2/10/84 | | |

STONE & WEBSTER MICHIGAN, INC.
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 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 |
|-----|--|------------|---------------|--------------|---------|
| 014 | As documented on CIO Evaluation No. MP-MIS-074-0001, FPD 1.000 requirement that a copy of all transmittals for "Q" listed items be transmitted to MPQAD and the Project Supplier Quality Representative was not being satisfied. | 01/27/84 | | | ◁ |
| 015 | In violation of PSP G-7.1, correction fluid was used on MPQAD Audit Report No. M01-346-02. | 02/17/84 | | | |
| 016 | Contrary to their MPQAD Procedure F-1M definitions, "nonconformances" were documented as "observations" in Audit No. M01-346-02. | 02/17/84 | | | |
| 017 | The recommended corrective action for Audit finding 01F, Audit No. M01-346-02 was not implemented, yet the audit was closed out. | 02/17/84 | | | |
| 019 | As documented on CIO Evaluation No. MP-MIS-082-0001, several discrepancies were identified on the FDDL. | 02/29/84 | | | |
| 020 | As documented on CIO Evaluation No. MP-MIS-082-0001, 4 out of 25 Distribution Change Request Forms were not properly signed in violation of FPZ-1.000. | 03/02/84 | | | |

CIO NONCONFORMANCE IDENTIFICATION REPORT SUMMARY - CONTINUATION SHEET

| No. | Description | Issue Date | Response Date | Closure Date | Remarks |
|-----|--|------------|---------------|--------------|---|
| 021 | During a resampling/evaluation of the Construction Training Matrix in conjunction with the closure of NIR 008, two nonconformances were identified regarding requirements for training to BPCo field procedures. | 03/12/84 | | | Corrective action was initiated at the time of the evaluation in the form of changes to the appropriate matrices. |
| 022 | At work Print Station 219, CIO reviewed 80 out of 1116 documents. 20 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. 23 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 | | | |

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

WEEKLY MEETING SUMMARY

| Date | Meeting Title | Attendees | Discussion Topic | CIO Comments |
|--|-------------------------|------------------------------|---|---|
| March 20, 1984 | HRP Status Meeting | MPQAD CIO | 1) MLCS being updated to reflect hangers in each module | No CIO concerns identified. |
| March 20, 1984 | Area Team Staff Meeting | CPCo MPQAD BPCo CIO | 1) Requesting more Ann Arbor support for large "Q" items | No CIO concerns identified. |
| March 20, 1984 | Group Staff Meeting | CPCo MPQAD BPCo CIO | 1) Training updates continuing 2) MLCS being updated 3) Discussed possible release of additional modules for CCP Phase I | No CIO concerns identified. |
| March 21, 1984 | CCP | CPCo BPCo CIO | 1) Discussed concerns expressed by CIO relative to integration of CCP Phase I activities, training and documentation | CIO is continuing to follow this topic. |
| March 21, March 22, and March 23, 1984 | Team Meetings | CPCo MPQAD BPCo CIO | 1) Raceway MLCS update ahead of other disciplines 2) Document Control Station 501 is usable for all electrical & main station for area teams 3) Training is being completed expeditiously 4) Teams to get all 'Q Lists' back from MPQAD by 6-84 (continued) | CIO is evaluating Document Control at this time. No CIO concerns identified. |

WEEKLY MEETING SUMMARY - CONTINUATION SHEET

| Date | Meeting Title | Attendees | Discussion Topic | CIO Comments |
|--|------------------------|------------------------------|--|-----------------------------|
| March 21, March 22, and March 23, 1984 | Team Meetings | CPCo MPQAD BPCo CIO | (continued) 5) MLCS is being updated 6) S/A to begin in Control Room first week in April if release is approved by the NRC 7) Diesel Generator work may start on 5-1-84, S/A should start 4-1-84 | |
| March 21, 1984 | CCP Overview | NRC CIO | 1) Discussed general CIO evaluation of CCP progress to date 2) Agreed to meet bimonthly for coordination and information exchange | No CIO concerns identified. |
| March 23, 1984 | QVP Assessment Meeting | MPQAD CIO | 1) Discussed status and progress of QVP 2) QVP is performing satisfactorily to date 3) Number of drawing revisions is high 4) Craft cooperation for QVP is good | No CIO concerns identified. |
| March 23, 1984 | Subcontracts Meeting | CPCo BPCo B&W Zack | B&W - May remove up to 28 snubbers - Unit 1 upgrade to begin by 4-6-84 - Hanger reinspections are ongoing, 7 are complete - Will have 4 inspectors qualified by 3-29-84 Zack - Drawing issue process is slow - Closed 4 NCR's, opened 0 | No CIO concerns identified. |

CCP PHASE I ACTIVITY

March 19 - March 23, 1984

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

*Released for partial systems only

** HRP is also active in modules
130,140 and 150

I m Middle Turk

Warwick