



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

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

February 2, 1984

J.O. No. 14358
Ref. MPF 71

Attention: Mr. Cook

DOCKET NO. 50-339/330
MIDLAND PLANT UNITS 1 & 2
INDEPENDENT ASSESSMENT OF UNDERPINNING
REPORT NO. 71

A copy of the Independent Assessment of Underpinning Weekly Report No. 71 for the period of January 22, 1984 through January 28, 1984 is enclosed with this letter. Included as attachments are the minutes of the daily meetings held during the week between members of the Assessment Team and Site Engineering, Construction, and Quality Assurance personnel.

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

A. Stanley Lucks
Project Manager

Enclosures
ASL/pd

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PDR ADUCK 05000329
G PDR

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

Weekly Report No. 71

January 22, 1984 through January 28, 1984

Personnel on Site

Stone & Webster Michigan, Inc.

P. Majeski	1/22 - 1/24
D. Benvie	1/23 - 1/27
R. Lykens	1/22 - 1/24
J. Springer	1/25 - 1/28
L. Rouen	1/25 - 1/28
W. Kilker	1/25 - 1/27

Parsons Brinckerhoff, Michigan

J. Oliveira	1/22 - 1/24
V. Madill	1/25 - 1/27
B. Metros	1/25 - 1/28

Meetings Attended

<u>Date</u>	<u>Represented</u>	<u>Purpose</u>
1/23 - 1/27	Stone & Webster Bechtel Consumers Power Parsons	Daily Assessment Team Meeting
1/23	Bechtel Consumers Power Stone & Webster	Weekly Interorgan - izational Meeting
1/23	Bechtel Consumers Power Stone & Webster	Engineering- Construction Co- ordination Meeting
1/27	Consumers Power Bechtel Stone & Webster	Project Soils Meeting

Underpinning and Remedial Soils - Construction

Kc-3 to Kc-4 Drift: Drifting to Kc-4 was resumed this week. The Moulten Drilling machine was placed into use to expedite drifting operations.

Kc-10 to Kc-9 Drift: The installation of backpacking and lagging for drift to Kc-9 was completed.

Piers E-13: Grouting of the void area behind the installed pier lagging was completed this week.

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UAT's: Work continued on support sets for the access drifts to piers CT-1 and CT-12.

W8 Grillage: The W8 grillage remained on active jacks all week in order to minimize additional differential movement between the west EPA and the control tower. The differential movement had reached a maximum of 92 mils, but by the end of the week had decreased to 69 mils.

Pier E9: Routine rejack was performed and the load locked off.

Pier E10: The pier was placed on active jacks to verify the load that it was carrying.

Level C wales: Intermittent activity continued on the Level "C" wale installation.

SWPS: A grout test installation was done as part of a soils stabilization program at the perimeter of the SWPS underpinning excavation. The purpose of the test was to determine the required grout quantities and pressures and the resulting grout penetration.

Assessment Team Observations - Construction

Drifting to pier Kc-4 with the Moulten concrete drilling machine was started this week. The machine made good progress drilling through fill concrete encountered in the drift. However, there appears to be some time loss associated with set up and access to the drilling locations. Modifications to the Moulten machine are being evaluated to alleviate these problems. The Assessment Team believes that the use of the Moulten Drilling machine will expedite drifting through areas where lean mix concrete is encountered and in turn expedite the overall underpinning schedule.

The Assessment Team observed the grout test installation done as part of a soils stabilization program at the perimeter of the SWPS underpinning activities. The Assessment Team believes that the grout design and method of grout placement will be adequate in stabilizing the soil and will allow excavation for underpinning activities to proceed.

Assessment Team Observations - QA/QC

The Assessment Team with the assistance of a Stone & Webster welding specialist reviewed both Mergentime Corp. and Spencer, White and Prentis Corp. revisions to welding procedures incorporating the welding technique sheets. The Assessment Team had questions regarding the vertical progression of the weld, root openings, preheat requirements and welding to stainless steel. As a result of the first two questions, NIR No. 21 was issued. Based upon the information available, it is the Team's opinion that this nonconformance is procedural in nature. There are no hardware related nonconforming conditions.

As work commenced on the completion of the drift to piers CT1/12, MPQAD raised a question regarding the intent of allowable tolerances as described on the project documents. The Quality, Engineering and Construction groups undertook efforts to resolve the issue but nearly four days were required to gain a common understanding. The Assessment Team believes the attitudes and approach to resolution of this type of issue is appropriate. However, the nature of this issue was such that it should have been accomplished within a much shorter time frame.

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Upon lifting of the change Document Stop Work Order, a large number of new/revised documents were issued. To assess the success of the distribution, the Assessment Team reviewed a sampling of newly transmitted documents at the FSO control station. All the documents reviewed were properly posted.

A review was conducted of crack monitoring IR's and various instrumentation IR's closed during the week. All the IR's were completed satisfactorily by certified personnel.

Work Activity Packages

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

<u>WAP No.</u>	<u>Title</u>	<u>Status</u>
71	SWPS-Thru Anchor Bolt Holes	Closed 1/27/84

Nonconformance Identification Reports

The following Nonconformance Identification Reports (NIR's) remain open or have been closed during the past week.

<u>NIR No.</u>	<u>Description</u>	<u>Date</u> (Opened) (Closed)
20	Concrete Admixture Dispenser Calibration	12/1/83
21	Welding Procedures	1/28/84

Open Items

Items discussed during meetings are categorized as follows:

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

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

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

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.

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

The following is a listing of all Open items from the Daily Meeting Notes with Bechtel, the Weekly Meeting with MPQAD or the text of 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>
WR 54, Pg.3	Weld Tech Sheets	Open
57-17	Wall Ties	Open
WR 58, Pg. 2	Lack of Drawing References	71-17
58-3	Tubular Steel Lagging	Open
64-7	QAP Review Program	Open
64-10	Trend Analysis	Open
WR 64, Pg.1	US Testing Corrective Action	Open
66-5Q	Request for IR Distribution	Open
70-2	Review of Crack Mapping Programs	Open
70-6	Close Out of Lessons Learned Action Items	Open
70-21	Document Transmittals	Open
71-4	US Testing Work Instructions	Open
71-8	Distribution and Implementation of Controlled Documents	Open
71-9	US Testing QA Manual	Open
71-17	Computerized Civil Drawing Register	Open

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<u>Item No.</u>	<u>Description</u>	<u>Closure</u>
71-29	Use of "Retired" FCRs	Open
71-30	Overview of FSO Document Control Station	Open

AD M. J. Smith
Project Engineer

AD M. J. Smith for ASLUcks
Project Manager

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

Held at Midland Site
Midland, Michigan
January 23, 1984

Present For:

<u>Consumers Power</u>	<u>Bechtel</u>	<u>MPQAD</u>	<u>Stone & Webster</u>
G. Murray	J. Fisher	J. McMaster	P. Majeski
	E. Cvikl	R. Sevo	B. Lykens
	J. Gaydos		D. Benvie
			<u>Parsons</u>
			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 71-1 - Work Status.

J. Fisher stated that work has begun on piers CT-1 and CT-12. Also drifting to piers Kc-4 and Kc-9 began this past weekend. (INFORMATION ITEM)

Item 71-2 - Rejacking of Piers.

J. Fisher reported that the W8 grillage was rejaacked this weekend. Rejacking was performed to decrease the load on the west EPA and in turn decrease differential movement, but differential movement between the control tower and the EPA increased from 85 mils to 92 mils. Bechtel is presently evaluating procedures to prevent exceeding alert levels for upward structural movement. (INFORMATION ITEM)

Item 71-3 - SWPS Soil Grouting Plan.

The Assessment Team received a package of data for grouting at the SWPS including test grouting plans, grouting procedures and typical grout placement plans. The test grouting program is scheduled to start on 1-24-84. (INFORMATION ITEM)

New Items

Item 71-4 - US Testing Work Instructions.

P. Majeski requested that the Assessment Team receive copies of work instructions formulated to date by US Testing. (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
January 24, 1984

Present For:

Consumers Power

G. Murray
R. Wheeler
R. Wieland *

Bechtel

J. Fisher
E. Cvikl
J. Gaydos
C. Knifton *

MPQAD

J. McMaster
R. Sevo

Stone & Webster

P. Majeski
B. Lykens
D. Benvie

Parsons

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 71-5 - Auxiliary Building Underpinning.

J. Fisher reported that drifting with the Moulten drilling machine to pier Kc-4 would begin today. Drifting to piers Kc-9, CT-1 and CT-12 is ongoing. (INFORMATION ITEM)

Item 71-6 - Rejacking of Piers.

J. Fisher reported that the W8 grillage remains on active jacks, although the acceptance criteria for lock off has been achieved (i.e. less than 10 mils of differential movement in 48 hours). The W8 grillage is being kept on active jacks in an effort to prevent differential movement between the west EPA and the control tower from exceeding alert levels. Differential movement measured today had decreased to 87 mils (from 92 mils measured yesterday). An FCR and MCR are in progress to allow the W8 grillage to remain on active jacks beyond the 48 hour period, but these documents were not issued until after the 48 hour hold period expired. As a result, an NCR was written. (INFORMATION ITEM)

Item 71-7 - US Testing Work Instructions.

The Assessment Team has started receiving work instructions from US Testing. J. Gaydos stated that as additional work instructions are prepared, they will be transmitted to the Assessment Team. The Assessment Team's preliminary comments on work instructions reviewed to date were given to Bechtel for evaluation. (Item 71-4 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
January 24, 1984

New Items

Item 71-8 - Distribution and Implementation of Controlled Documents.

P. Majeski asked for details on specific controls that are being implemented to ensure that:

1. All document transmittals have been received by the user.
2. Documents are correctly incorporated in the user's document control system.

J. Fisher stated that Bechtel will prepare a response to both of these questions. (OPEN ITEM)

Item 71-9 - US Testing QA Manual.

R. Lykens stated his preliminary review of US Testings QA manual revealed a significant number of change notices to the QA manual. Use of the manual is very cumbersome due to the number of change notices. It was recommended that Bechtel consider revising the frequency for incorporating these change notices into the main body of the QA manual to reduce the number of attachments to the manual. Bechtel will respond later this week. (OPEN ITEM)

Item 71-10 - Differential Movement at W8 Grillage.

J. Oliveira questioned how work on piers CT-1 and CT-12 would be impacted if the alert level of 100 mils is exceeded at W8 grillage. R. Wheeler responded that engineering is evaluating options including raising the alert level value at W8 grillage to prevent disruption of work on piers CT-1 and CT-12. (CLOSED 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
January 25, 1984

Present For:

<u>Consumers Power</u>	<u>Bechtel</u>	<u>MPQAD</u>	<u>Stone & Webster</u>
G. Murray	J. Fisher	J. McMaster	D. Benvie
R. Wheeler	E. Cvikl	R. Sevo *	W. Kilker
R. Wieland *	J. Gaydos		J. Springer
	C. Knifton		L. Rouen
			<u>Parsons</u>
			None

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 71-11 - Auxiliary Building Underpinning.

J. Fisher reported that work on piers CT-1 and CT-12 is on hold until differences in interpretation of installation and fabrication tolerances for top plate installations at CT-1 and CT-12 were clarified. Drifting to piers Kc-4 and Kc-9 continues. (INFORMATION ITEM)

Item 71-12 - Rejacking of Piers.

J. Fisher stated that the W8 grillage remains on active jacks. Upward differential movement measured at the W8 grillage has decreased to 82 mils. (INFORMATION ITEM)

Item 71-13 - Engineering Evaluation of Cracking in Auxiliary Building.

E. Cvikl reported that the crack survey in the Auxiliary Building is 80% complete. Completion of the crack survey is still scheduled for January 30, 1984. (INFORMATION ITEM)

New Items

Item 71-14 - Resolution of Construction Delays.

J. Springer requested details concerning the recent delay associated with the interpretation of allowable tolerances on the top plate installations at piers CT-1 & CT-12. J. Fisher and R. Wheeler explained that MPQAD questioned the interpretation of fabrication and installation tolerances. A meeting had been held between representatives of MPQAD, Engineering and FSO. Resolution of the interpretation is expected today. R. Wheeler

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

Held at Midland Site
Midland, Michigan
January 25, 1984

explained that the intent is to resolve issues such as this tolerance interpretation at the working level and in an expeditious manner so as to minimize impact on the work. However, if agreement cannot be reached, the matter will be elevated within the organization in order to reach a resolution. The Assessment Team believes the action taken is appropriate to the problem. (CLOSED ITEM)

Item 71-15 - SWPS Work Status.

J. Springer asked why the work on the SWPS underpinning has not resumed. J. Fisher replied that the construction schedule showed a delay of several days behind Auxiliary Building work start. Also, a procedural change was required in order to use another grout gel agent. The procedure revision is complete and a grout test area has been readied. The test installation will be done today or tomorrow. (CLOSED ITEM)

Item 71-16 - Computerized Civil Drawing Register.

W. Kilker stated that in the review of WR 70 the Team considers the development of the computerized civil drawing register an open item. Once the register is available for review the Assessment Team will act on this item. (OPEN ITEM)

Response Items

Item 71-17 - Lack of Drawing References.

Bechtel provided a status for an FCR which was identified in W.R. #58 as not having been posted to the correct drawing. The above referenced FCR was written as a one time deviation. After having been attached to the design drawing for 30 days, it was removed and filed in Central Document Control's register for retired documents per Bechtel procedures. The affected drawing was stamped with an "R" to alert future users that a retired document existed. The Assessment Team verified that the drawing was marked with the R stamp and that the FCR appeared in Central Document Control's register for retired documents. The Team is satisfied that document control procedures have been correctly implemented in dispositioning this FCR. (CLOSES ITEM WR # 58 pg. 2)

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

Held at Midland Site
Midland, Michigan
January 26, 1984

Present For:

Consumers Power

G. Murray

Bechtel

J. Fisher
E. Cvikl
J. Gaydos

MPQAD

J. McMaster
R. Sevo *

Stone & Webster

D. Benvie
W. Kilker
L. Rouen

Parsons

V. Madill
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 71-18 - Auxiliary Building Underpinning.

J. Fisher reported that an FCN was issued yesterday to clarify interpretation of installation and fabrication tolerances for top plate installations on drift sets. As a result, work is proceeding for plate installation at piers CT-1 and CT-12. Intermittent activities continue on piers E13 and W13 and also on the west side level C wales. Drifting to piers Kc-4 and Kc-9 continues. (INFORMATION ITEM)

Item 71-19 - Rejacking of Piers.

J. Fisher reported that the E9 pier was put on active jacks yesterday. The W8 grillage remains on active jacks. Upward differential movement measured at the W8 grillage has decreased to 75 mils. (INFORMATION ITEM)

Item 71-20 - US Testing Work Instruction.

As a clarification, L. Rouen stated that the Assessment Team should receive the US Testing Work Instructions only after they have been formally submitted. (Item 71-4 remains OPEN) (CLOSED ITEM)

Item 71-21 - US Testing QA Manual.

J. Gaydos reported that US Testing was in the process of issuing a new revision of their QA manual incorporating all change notices to date. In a meeting held yesterday, US Testing informed L. Rouen that in the future, frequency for incorporating change notices will be reduced from 6 months to 3 months. Item 71-9 will remain open until the Assessment Team receives the new revision to the QA manual. (INFORMATION ITEM)

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

Held at Midland Site
Midland, Michigan
January 26, 1984

Item 71-22 - Tubular Steel Lagging.

E. Cvikel reported that a DCN is forthcoming designating specific areas where filling of internal voids in tubular steel lagging will be required. An option to remove the lagging during backfilling in lieu of grouting will be allowed in the DCN. (Item 58-3 remains OPEN) (INFORMATION ITEM)

New Items

Item 71-23 - Installation of Piezometer in Boring BB-2.

J. Fisher stated that a piezometer will be installed in Boring BB-2. (INFORMATION ITEM)

Item 71-24 - SWPS Lagging Connection.

V. Madill questioned if all sets of the lagging had to be welded to the soldier piles in the SWPS. E. Cvikel stated that typically, clip angles are used to fasten lagging with every fourth lagging welded to the soldier pile. Welding of lagging is also required when the lagging is to be installed at an angle with the soldier pile. (CLOSED 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
January 27, 1984

Present For:

<u>Consumers Power</u>	<u>Bechtel</u>	<u>MPQAD</u>	<u>Stone & Webster</u>
G. Murray	J. Fisher	J. McMaster	D. Benvie
	E. Cvikl	R. Sevo	W. Kilker
	J. Gaydos		L. Rouen
	W. Brandes		J. Springer
			<u>Parsons</u>
			V. Madill
			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 71-25 - Auxiliary Building Underpinning.

J. Fisher reported that installation of backpacking and lagging for the drift to pier Kc-9 has been completed. Reshoring and finger drifting to Kc-9 will begin today. Grouting of lagging behind pier E13 was completed yesterday. Drifting to pier Kc-4 with the Moulten Drilling Machine continues. (INFORMATION ITEM)

Item 71-26 - Rejacking of Piers.

J. Fisher reported that pier E9 was locked off yesterday. Pier E10 was put on active jacks to verify the load on the pier. The W8 grillage remains on active jacks. Upward differential movement measured at the W8 grillage has decreased to 71 mils. (INFORMATION ITEM)

Item 71-27 - SWPS - Test Grouting Program.

J. Fisher reported that the test grouting program had started yesterday. Only 3 of the 6 test holes were grouted yesterday due to delays associated with verifying gel times. The remaining 3 holes will be grouted today. The grouted area will then be excavated to determine extent of grout penetration. (INFORMATION ITEM)

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

Held at Midland Site
Midland, Michigan
January 27, 1984

Item 71-28 - Review of Crack Mapping Programs.

W. Kilker received CTL reports on the latest alert level cracks mapped in the Auxiliary Building and SWPS. G. Murray reported that CTL will be on site next week to review the engineering evaluation being prepared on the crack survey of the Auxiliary Building. (Item 70-2 remains OPEN)
(CLOSED ITEM)

New Items

Item 71-29 - Use of "Retired" FCRs.

J. Fisher reported that work on the level C wales was on hold due to concerns associated with using a "retired" FCR. As the document control system is set up now, one time deviation FCR's are "retired" from the drawings after 30 days. If the FCR is made active at a later date, there is no procedure for controlling distribution of the FCR. Bechtel is evaluating options to resolve this problem including rewriting the FCR prior to the 30 day expiration date to extend the time limit for retirement of the document. (OPEN ITEM)

Item 71-30 - Overview of FSO Document Control Station.

L. Rouen stated that he would perform an overview of the FSO document control station today to verify that documents distributed after lifting of the Stop Work Order had been incorporated into the station. (OPEN ITEM)

Item 71-31 - New Assistant Project Manager.

J. Fisher introduced Mr. William Brandes as the new assistant project manager for FSO. (INFORMATION ITEM)

Response Items

No response items were discussed.

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

Held at Midland Site
Midland, Michigan
January 27, 1984

No MPQAD meeting was held this week.

Report No. 30

January 3, 1984 through January 6, 1984

Personnel on Site

Stone & Webster Michigan, Inc.

P. Amouruso	N. Wetherell	A. Smith
F. Bearham	K. Butler	J. Chawla
J. Barr	D. MacBay	R. Carpeggiani
D. Cooke	R. Scallan	E. Barcomb
C. Marrs	J. Thompson	D. Beauchamp
T. Parker	R. Butler	D. Brown
R. Corson	D. Wells	T. Baumgartner
B. Kasson	W. Sienkiewicz	F. Seely
W. Dick	J. Ridge	G. Carter
J. Karr		

CIO ACTIVITIES

A. Summary

- 1) Verification of the FCR/FCN Resolution Program Phase III (Register Reconciliation) for the architectural discipline.
- 2) Verification of the FCR/FCN Resolution Program Phase III for the civil discipline.
- 3) CIO evaluation of the retired document verification program for the civil discipline.
- 4) Issued CIO Item 043 on document control.
- 5) Meetings attended are summarized in Attachment A.

B. Details (Paragraphs below correspond to items above)

- 1) The Phase III Register/Documents Verification Program for architectural documents (all stations) was initiated. In the course of this effort, it was noted that there were variations in the use of symbols for retired documents. NIR-011 was issued to document the above. MPQAD was notified and CIO was requested to discontinue the architectural verification effort.
- 2) CIO was notified that the documents representing the first Civil discipline design package (Stations 8, 10, 13, 24 and 64) were available for Phase III verification. A sample plan was prepared for this package and CIO verification was completed. In performing the verification, CIO identified various discrepancies. These were documented on NIR-012.

- 3) In conjunction with item 2, above, CIO also evaluated, on a sample basis, the implementation of the retired document program described in FID 2.100 at Stations 8, 10, 13, 24 and 64. Discrepancies were identified in the use of the retired document symbol to alert document users that information has been removed from a document and placed in a file and that this information must be reviewed and used in conjunction with the principal document. These discrepancies were also documented on NIR-012.
- 4) As a result of the activities described in 1, 2 and 3 above, CIO Item Number 043 was issued. This item identifies several general concerns relative to Phase III document control and requests CPCo plans for resolution. Upon receipt CIO will first evaluate the plans and then determine what further verification/evaluation measures will be constituted by CIO.

OPEN ITEMS, NONCONFORMANCES AND HOLD POINTS

Open CIO Items are summarized in Attachment B. Items 041, 042 and 043 were initiated during the reporting period.

Open CIO Nonconformance Identification Reports (NIRs) are summarized in Attachment C. NIRs 011 and 012 were initiated during this reporting period.

Open CIO Hold Points are summarized in Attachment D.

GENERAL

Mr. K. Butler and Mr. G. Carter were assigned to the CIO staff during this period. Signed affidavits and resumes of the two members will be sent to Mr. J. J. Harrison, US NRC, Glen Ellyn, Illinois.

CIO Item 038 was incorrectly listed as "Tracked Action" in Weekly Reports 26 through 29. The item is correctly listed as "Tracked Information" herein.

MEETING 1151

DATE	MEETING TITLE	ATTENDEES	DISCUSSION CONTENT	CIO COMMENTS
Jan. 3 through Jan. 6, 1984	Team Meetings	CPCo BPCo S&W CIO	Status of schedule restraints	No areas of concern identified.
Jan. 3 1984	QVP/Status Assessment Meeting	CPCo BPCo MPQAD S&W CIO	Status of actions to resolve Stop Work Orders	No areas of concern identified.
Jan. 4 1984	Team Supervision Meeting	CPCo BPCo MPQAD S&W CIO	Status of schedule restraints at team level.	No areas of concern identified.

STONE & WEBSTER MICHIGAN, INC.
MIDLAND NUCLEAR COGENERATION PLANT
CIO ITEMS

ITEM NO.	CLASSIFICATION	ITEMS	ORIGINATING DOCUMENT/DATE	CPCo RESPONSE DOCUMENT/DATE	STATUS OPEN/CLOSED	CLOSE-OUT DOCUMENT/DATE
030	Tracked Action	Need to review Vendor Equipment Verification Program - MPQAD/SMO	Report No. 5 7/18/83		Open	
032	Tracked Action	NIR 006 issued on October 27, 1983, to address administrative discrepancies in the Construction Training Records of Teams 5, 6, 8, 9, 12, 13, 16, 17, 19, 20, 25, 26 (27/28) 29, 30, 31, 32/33 and BHO staff.	Report No. 20 10/31/83		Open	
033	Tracked Action	NIR 007 issued on November 7, 1983, to address administrative discrepancies in the Construction Training Records for Teams No. 24, Field Procurement, Subcontractor Management, Field Engineering Staff, and Construction General Services Organization.	Report No. 21 11/08/83		Open	
034	Tracked Action	NIR 008 issued on November 14, 1983 to address upgrading five training level codes in the System Team Training Matrix.	Report No. 22 11/14/83		Open	

STONE & WEBSTER MICHIGAN, INC.
MIDLAND NUCLEAR COGENERATION PLANT
C10 ITEMS

ITEM NO.	CLASSIFICATION	ITEMS	ORIGINATING DOCUMENT/DATE	CPCo RESPONSE DOCUMENT/DATE	STATUS OPEN/CLOSED	CLOSE-OUT DOCUMENT/DATE
035	Tracked Action	C10 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		Open	
036	Tracked Information	At a meeting of Teams 26 and 27 held on November 22, 1983, the discontinuance of FCNs for "Q" items was discussed. If this change is to be implemented, new instructions are required.	Report No. 24 11/29/83		Open	
037	Tracked Action	C10 observed that two boards with protruding nails lying in Cable Tray 1AKA019 (Q Tray) had punctured the cable jacket of a "Q" cable. The cable is Q-channel A, 480V, MCC. NCR C00925 was issued by MPQAD on November 22, 1983. C10 will track this item to assure that corrective action (repair) has been performed to approved procedures.	Report No. 24 11/29/83 As revised by Report No. 25 12/5/83		Open	

STONE & WEBSTER MICHIGAN, INC.
MIDLAND NUCLEAR COGENERATION PLANT
CIO ITEMS

ITEM NO.	CLASSIFICATION	ITEMS	ORIGINATING DOCUMENT/DATE	CPCo RESPONSE DOCUMENT/DATE	STATUS OPEN/CLOSED	CLOSE-OUT DOCUMENT/DATE
038	Tracked Information	CIO reviewed a checklist developed by Bechtel Field Engineers for use in conducting Status Assessment to Procedures FPN-7.000, Rev.1. Checklist did not include all of the attributes required by the procedure.	Report No. 26 12/13/83		Open	
041	Tracked Information	CIO requires CPCo plans and schedules for assuring that current activities relative to the evaluation of Phase III activities on FCRs/FCNs, vendor drawings and FSKs are completed prior to releasing the emergency diesel generators for resumption of installation work. Subsequent to review, CIO will determine method of evaluation.	Item Notification Sheet 1/6/84		Open	
042	Tracked Information	Reference correspondence refers to the formalization of procedures for training CPCo personnel (SMO) who will be performing tasks relative to the CCP. CIO requests these procedures for review and evaluation.	Item Notification Sheet 1/6/84		Open	

STONE & WEBSTER MICHIGAN, INC.
MIDLAND NUCLEAR COGENERATION PLANT
CIO ITEMS

ITEM NO.	CLASSIFICATION	ITEMS	ORIGINATING DOCUMENT/DATE	CPCo RESPONSE DOCUMENT/DATE	STATUS OPEN/CLOSED	CLOSE-OUT DOCUMENT/DATE
043	Tracked Action	CIO Phase III evaluation of architectural/civil document control measures resulted in findings listed in the Item Notification (similar conditions are identified in MPQAD MQAR-DAT-1). CIO requests CPCo's plan for addressing the problems noted and for implementing and verifying corrective action on both MQAR-DAT-1 and this item.	Item Notification Sheet 1/6/84		Open	

STONE & WEBSTER MICHIGAN, INC.
NONCONFORMANCE IDENTIFICATION REPORT (NIR)
SUMMARY

NIR NO.	MPQAD NCR NO. QAR NO.	SUBJECT	DATE OF ISSUE	DATE DISP. MPQAD	DATE CLOSED	REMARKS
006		Administrative discrepancies in Construction Training Records involving CCP Teams.	10/28/83			
007		Administrative discrepancies in Construction Training Records for the following teams: No. 24, Field Procurement, Subcontractor Management, Field Engineering Staff, and Construction General Services Organization.	11/7/83			
008		Need to upgrade five training level codes in the System Team Training Matrix.	11/14/83			
011		A conflict on the use of R symbols for retired FCR/FCNs on architectural drawings.	12/31/83			
012		Numerous drawing/specification discrepancies revealed during Phase III, FCR/FCN CIO review at Drawing Stations 8, 10 and 13.	1/3/84			

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ATTACHMENT C

STONE & WEBSTER MICHIGAN, INC.

HOLD POINT SUMMARY

NO.	SUBJECT	ORIGINATING DOC/DATE	CPCo RESPONSE DOC/DATE	STATUS OPEN/CLOSED	CLOSE WITH DOC/DATE
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		Open	
007	Evaluation of Management Review of results of Phase I activities. Evaluation is required before implementation of Phase II	Report No. 19 10/24/83		Open	

ekly Report No. 30

STONE & WEBSTER MICHIGAN, INC.

HOLD POINT SUMMARY

NO.	SUBJECT	ORIGINATING DOC/DATE	CPCo RESPONSE DOC/DATE	STATUS OPEN/CLOSED	CLOSE-OUT DOC/DATE
008	<p>NIR 006 was issued on October 27, 1983, to address discrepancies observed during the sample inspection of 2,054 Construction Training records of 31 members of Teams 5, 6, 8, 9, 12, 13, 16, 17, 19, 20, 25, 26, (27/28), 29, 30, 31, (32/33) and BHO staff.</p> <p>Corrective action must be completed before any walkdown assessments can be performed by the personnel in question.</p>	Report No. 20 10/31/83		Open	
009	<p>NIR 007 was issued on November 7, 1983, to address discrepancies observed during sample inspection of 834 Construction Training records of 18 members of Team 24, Field Procurement, Sub-Contractor Management, F. E. staff and Construction General Services Organization.</p> <p>Corrective action must be completed before any walkdown, assessments can be performed by the personnel in question.</p>	Report No. 21 11/7/83		Open	

Weekly Report No. 30

STONE & WEBSTER MICHIGAN, INC.

HOLD POINT SUMMARY

NO.	SUBJECT	ORIGINATING DOC/DATE	CPCo RESPONSE DOC/DATE	STATUS OPEN/CLOSED	CLOSE-OUT DOC/DATE
010	<p>NIR 008 has been issued on November 14, 1983 to address upgrading five items in the System Team Training Matrix of the Construction Training Program.</p> <p>Corrective action must be completed before any walkdown assessments can be performed by the personnel involved in these training activities.</p>	Report No. 22 11/14/83		Open	
011	<p>Prior to lifting of Stop Work Orders relating to the FCR/FCN Review and Resolution Program, CIO has established a Hold Point at the conclusion of Phase II activities to evaluate the adequacy of MPQAD performance during Phase I and Phase II activities. The Hold Point encompasses all the Stop Work Orders with the exception of Stop Work Order No. FSW-36 which has been lifted by MPQAD. This Hold Point does not apply to Phase III.</p>	Report No. 23 11/21/83		Open	