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

June 27, 1984

J.O. No. 14358  
Ref. MPF 92

Attention: Mr. B. L. Burgess

DOCKET NO. 50-339/330  
MIDLAND PLANT UNITS 1 & 2  
INDEPENDENT ASSESSMENT OF UNDERPINNING  
REPORT NO. 92

A copy of the Independent Assessment of Underpinning Weekly Report No. 92 for the period of June 17, 1984 through June 23, 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.

*for*  
*A. Stanley Lucks*

A. Stanley Lucks  
Project Manager

Enclosures  
ASL/pd

cc:  
JJHarrison (enc), US NRC Glen Ellyn, IL  
Grace Dow Memorial Library (enc)  
DQuamme (enc) CPCo Midland (site)  
JMooney (enc) CPCo Jackson  
JMeisenheimer (enc) CPCo Midland (site)

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Midland Plant  
Units 1 & 2  
Independent Assessment of Underpinning

Weekly Report No. 92

June 17, 1984 through June 23, 1984

Personnel on Site

Stone & Webster Michigan, Inc.

P. Majeski	6/19 - 6/23
D. Benvie	6/18 - 6/23
D. Zito	6/18 - 6/22
W. Kilker	6/17 - 6/22
L. Rouen	6/17 - 6/19

Parsons Brinckerhoff Michigan, Inc.

B. Metros	6/17 - 6/19
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Meetings Attended

<u>Date</u>	<u>Represented</u>	<u>Purpose</u>
6/18 - 6/22	Stone & Webster Bechtel Consumers Power Parsons	Daily Assessment Team Meeting
6/22	Stone & Webster Bechtel Consumers Power MPQAD	Project Soils Meeting

Underpinning and Remedial Soils - Construction

E/W5 Grillages: Initial load transfer is in progress.

Pier Kc8: Initial load transfer and subsequent routine rejackings were completed.

Pier E17: Extension of the drift to permit enlargement of the pier is in progress.

Piers CT 3/10: Initial load transfer is in progress.

Piers CT 5/18: Drifting to these piers is underway.

Pier E/W3: Finger drifting to these piers is underway.

Pier W17: Enlargement of the initial pier shaft to accommodate the redesigned pier is in progress.

Lateral Bracing System: Removal of concrete from the buttress access shaft walls to allow installation of embedded strut plates for support of the E/W 10 struts is in progress.

SWPS: Excavation below the upper level wales has begun in the west access shaft.

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 Units 1 & 2  
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BWSTs: Reinforcing steel, formwork installation and concrete placement continued.

Cathodic Protection: Trench excavation and backfilling work continued.

#### Assessment Team Observations - Construction

The Assessment Team observed jacking operations for the CT 3 pier and the E5 grillage and a check of the tension for the FIVP support tie rods. The rate, increments, and duration of loading conformed with the appropriate procedures. When the maximum allowable upward movement of the EPA occurred during initial loading of the E5 grillage, jacking loads were reduced to the specified value for this condition. Once Resident Engineering had evaluated the movement and determined that its impact on the Control Tower and EPA was minimal, the remainder of the load transfer was accomplished as prescribed in the procedures. The FIVP support tie rods were checked and retensioned as required in response to the upward building movement at this location. The co-ordination exhibited by the Subcontractors, FSO and Resident Engineering during the complex jacking and monitoring operations associated with the CT 3 pier and E5 grillage showed that these organizations were thoroughly aware of the procedural requirements and were appropriately prepared for contingencies. No detrimental building movement occurred during these loading operations.

The Assessment Team observed pre-placement and placement activities associated with concrete placement for the Kc4 and Kc5 drift invert. The subgrade was adequately leveled and sufficiently dampened to preclude loss of moisture from the concrete during placement. The reinforcing steel and embedments were properly placed and secured in conformance with the design documents and the controlling concrete grade was sufficiently marked on the forms around the periphery of the placement area. The concrete was properly vibrated during placement, resulting in a satisfactory installation.

The Assessment Team observed installation of strut plate rock bolts and grouting of struts plates for the lower level bracing in the SWPS east access shaft. The required drill permits were in place prior to the start of work. The core drilling machine was adequately braced at each location to ensure the required drill hole orientation was maintained. The depth of drilling was constantly monitored, preventing the possibility of overdrilling. Placement of grout for the strut plates was in accordance with procedures. Proportions of grout constituents used conformed with design requirements and the duration of mixing was satisfactory to ensure thorough blending of the grout constituents. Once the grout placement began, the operation continued without interruption, preventing segregation or bleeding of the grout. The finished surfaces were cured with moist rags, completing the satisfactory grouting operations.

#### Assessment Team Observations - QA/QC

The Assessment Team reviewed a report summarizing the Contractors' Quality Engineering review of the Auxiliary Building Subcontractors activities associated with material and storage building. This review was initiated as a result of damage during onsite storage to the teflon bearing pads for the CT 3/10 transfer

frames. The Assessment Team believes that initiation of this review was responsive on the part of the Contractor. However, a number of findings resulted during the review; including improper identification of material and storage areas, improper storage of material, and the use of personnel not trained to the procedures for handling and storage of materials. A QAR was initiated by the Contractor to document corrective action implemented to address the deficiencies noted in the review. It is the opinion of the Assessment Team that more diligence is required on the part of the Subcontractor and MPQAD to ensure that material storage and handling requirements are properly implemented to prevent the inadvertent use of construction materials which do not meet quality standards and to minimize material damage during onsite storage.

FSO has completed the June review of their controlled documents. All documents with attachments were reviewed. Out of a total population of 2,150 documents, 10 deficiencies were found. Eight of the deficiencies were due to missing attachments or inadvertent posting of unnecessary attachments to documents. The remaining two deficiencies were register related errors. The error rate of approximately 1% indicates that FSO is adequately maintaining their controlled documents.

While reviewing documentation to the W5 grillage in preparation for loading, MPQAD determined that weld inspection of a base plate shear lug for one of the grillage support columns had not been performed. Inspection of the lug was initiated by MPQAD, but upon identification of an apparent preheat nonconformance, the inspection was not completed. Upon disposition of the nonconformance and lifting of the Hold Tag, FSO mistakenly thought that the inspection had been entirely completed as required by MPQAD procedures and released the column for erection. Since the nonconforming material had been installed, a difficult and time consuming disposition was required. Had the MPQAD inspector completed his original inspection, this situation would not have occurred.

MPQAD responded to an Assessment Team question regarding the initiation, preparation and closing of three QC Inspection Reports. The Assessment Team is satisfied that the Inspection Reports were prepared in accordance with the appropriate procedures. However, the Assessment Team's question would not have been necessary if annotation of the documents was performed to clarify exceptional situations. The Assessment Team believes that QC inspectors should be cognizant that future reviewers of quality records may not be fully aware of exceptional situations and short notes included within the reports will facilitate future use.

#### Work Activity Packages

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

<u>WAP No.</u>	<u>Title</u>	<u>Status</u>
		(Opened)(Closed)
46	Yard Area Permanent Dewatering System	6/5/84
81	Level D Wales - Excavate Zones Y/Z 4A thru D, Kc Slope Layback	6/20/84 6/21/84
85	Tiebacks and Struts at Piers E/W 2 thru 9	6/20/84



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 Units 1 & 2  
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### Nonconformance Identification Reports

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

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

### Open Items

Items discussed during the 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 is given by the Assessment Team expressing an alternate construction or quality assurance technique. The opinion or suggestion is given as a possible alternate that may facilitate an operation.

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

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

<u>Item No.</u>	<u>Description</u>	<u>Closure</u>
74-21	US Testing Corrective Action	Open
89-7	Level C Wale Bearing Plate Gap	Open
89-31	Retirement of "One Time Deviation" FCRs	Open
90-6	SWPS Duct Bank Cracks	Open
90-9	BWST Ring Beam Addition in Valve Pits	92-29
91-7	Pier Kc5 Bearing Plates	Open

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<u>Item No.</u>	<u>Description</u>	<u>Closure</u>
91-21	MPQAD Inspection Reports for Concrete	Open
91-23	Material Storage and Handling Procedures Audit	92-9
92-14	MPQAD Monitoring of Materials Handling and Storage	Open
92-24	FCR Task Force Update	Open

*PJ Majalini*  
Project Engineer

*PJ Majalini 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  
June 18, 1984

Present For:

Consumers Power

G. Murray

Bechtel

J. Fisher  
E. Cvikl  
J. Kelleher

MPQAD

J. McMaster

Stone & Webster

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

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 92-1 - Auxiliary Building Underpinning Activities.

The E/W5 grillages were ready for load transfer pending resolution of an NCR written on the inspection of a column shear lug.

Pier CT 3 will be available for load transfer on 6/19. However, pier CT 10 will be delayed until 6/20/84 awaiting upper leveling plate grout cure.

The load transfer sequence for the above mentioned pier grillages is CT 10, CT 3 and E/W5 grillages.

Pier Kc8 load transfer was initiated on 6/17/84.

(INFORMATION ITEM)

New Items

Item 92-2 - FSO Document Control "Self-Audit".

J. Fisher reported that FSO has completed another self-audit of their document control records. The report will be available to the Assessment Team on 6/20/84.  
(OPEN ITEM)

Item 92-3 - SWPS Access Shaft Area Erosion.

W. Kilker requested that FSO report on any effects of the heavy rainfall of 6/17/84 on soils in the vicinity of the SWPS access shaft excavation. J. Fisher will respond. (OPEN ITEM)

Response Items

No response items were addressed.

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

Held at Midland Site  
Midland, Michigan  
June 19, 1984

Present For:

<u>Consumers Power</u>	<u>Bechtel</u>	<u>MPQAD</u>	<u>Stone &amp; Webster</u>
G. Murray	J. Fisher	J. McMaster	D. Benvie
J. Schaub	E. Cvikl	R. Sevo	D. Zito
	J. Kelleher		L. Rouen
			W. Kilker
			<u>Parsons Brinckerhoff</u>
			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 92-4 - Auxiliary Building Underpinning Activities.

Concrete placement for the Kc4 to Kc5 drift invert is scheduled for today.

Load transfer for pier CT-10 is scheduled for today and pier CT 3 for tonight.

(INFORMATION ITEM)

Item 92-5 - SWPS Building Underpinning Activities.

J. Fisher reported that excavation in the SWPS west access shaft began yesterday. Grouting of the lower level strut plates in the vicinity of the SWPS northeast corner is scheduled to be completed today in preparation for excavation of pier No. 1. (INFORMATION ITEM)

New Items

Item 92-6 - Near Term Auxiliary Building Underpinning Work Activities.

J. Fisher stated that upon completion of initial load transfer for the CT 3/10 piers and the E/W5 grillages, the following work will commence:

1. Drifting to piers CT 5/8.
2. Mass Excavation between E/W5 and E/W8 grillages to El. 600'±.
3. Excavation of piers E/W3.

(INFORMATION ITEM)

Item 92-7 - Welding of the Lower Bearing Plates.

B. Metros discussed welding of the lower bearing plates for the piers. It was noted that during welding of the Kc5 lower bearing plates, some of the weld material had been deposited within a small gap between two of the plates. The



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

Held at Midland Site  
Midland, Michigan  
June 19, 1984

weld metal prevented a complete closing of the gap during subsequent pier loading. Mr. Metros stated that if welding of these plates had been performed after load transfer, this situation would not have occurred. (OPINION ITEM)

Response Items

Item 92-8 - SWPS Access Area Erosion.

J. Fisher discussed the soil erosion in the vicinity of the access shaft which resulted from heavy rainfall on 6/17/84. Erosion of the in-situ sand and back-packing had occurred in several areas adjacent to the access shaft soldier pile wall, especially in the vicinity of the SWPS east side. A protective berm and sumps had been installed along the north side of the SWPS as a result of previous erosion associated with surface runoff from heavy rainfall. However, the protective berm was not installed along the east side of the SWPS. Additionally the sumps were not activated soon enough to prevent water flow over or through the protective berm. Remedial action presently underway includes repacking all eroded areas behind the soldier pile wall with clay and/or sand as directed by the resident geotechnical engineer. To guard against future erosion, the protective berm will be extended around the east side of the SWPS and more sumps will be added. Also, the addition of automatic float devices to the existing sumps is being considered. FSO field engineers have been reinstructed as to the need for close monitoring of the sumps during inclement weather to ensure that pumps are activated when needed. (CLOSES ITEM 92-3)

Item 92-9 - Material Storage and Handling Procedure Findings.

J. Fisher provided the Assessment Team with a copy of the FSO Quality Engineering audit report associated with the Subcontractor's material storage and handling procedures. The report findings and necessary corrective action will be discussed with the Subcontractor today. (CLOSES ITEM 91-23)

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

Held at Midland Site  
Midland, Michigan  
June 20, 1984

Present For:

Consumers Power

G. Murray  
R. Wieland

Bechtel

J. Fisher  
E. Cvikl  
J. Kelleher

MPQAD

J. McMaster  
R. Sevo

Stone & Webster

D. Benvie  
D. Zito  
W. Kilker  
P. Majeski

Parsons Brinckerhoff

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 92-10 - Auxiliary Building Underpinning Activities.

Load transfer for piers CT 3/10 has been delayed pending resolution of several NCRs.

Placement of concrete was completed for the Kc4 to Kc5 drift invert.

Enlargement of the W17 pier shaft has begun.

Installation of reinforcing steel and embedments was completed in preparation for concrete placement at the Kc8 to Kc9 drift invert.

Pier Kc5 was locked off.

(INFORMATION ITEM)

New Items

Item 92-11 - Piers CT 6/7 Drifting Sequence.

J. Fisher reported that Engineering is presently evaluating the possibility of extending the CT 5/8 drifts once these piers are constructed to allow access to the CT 6/7 piers. The original construction sequence showed that access to the CT 6/7 piers would be gained from the CT 13/15 drift. (INFORMATION ITEM)

Item 92-12 - NRC Monthly Meeting.

G. Murray stated that the NRC June monthly meeting which was postponed last week will not be rescheduled. The agenda for this month's meeting will be combined with the July agenda. (INFORMATION ITEM)

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

Held at Midland Site  
Midland, Michigan  
June 20, 1984

Item 92-13 - Material Handling and Storage Findings.

W. Kilker requested the status of corrective action implementation to address the FSO findings associated with the underpinning Subcontractor's handling and storage of material. J. Fisher responded that the Auxiliary Building Subcontractor is in the process of correcting deficiencies noted in the review. Additionally, a QAR has been initiated to document corrective action undertaken. FSO will conduct a similar review of the SWPS Subcontractor's storage activities. (CLOSED ITEM)

Item 92-14 - MPQAD Monitoring of Material Handling and Storage.

W. Kilker asked what are MPQAD responsibilities associated with monitoring of the Subcontractor's material handling and storage activities, (i.e. audit frequency, date of last audit) J. McMaster will respond. (OPEN ITEM)

Item 92-15 - Impact of Ongoing Work on Jacking Activities.

D. Zito discussed the impact of current work activities on the upcoming jacking associated with the CT 3/10 piers and E/W5 grillages. It was noted that during recent re-jacking of piers CT 1/12, an NCR was written because of concern that concrete removal activities at the time of re-jacking may have affected instrumentation readings. Mr. Zito asked what provisions will be taken to ensure that concrete removal associated with the turbine building/control tower contingency jack installation do not affect instrumentation readings during jacking of the CT 3/10 piers and the E/W5 grillages. J. McMaster stated that the underpinning Subcontractor's jacking procedure requires that the Resident Geotechnical Engineer designate which work activities can proceed when jacking is in progress. If the RGE determines that a particular work activity will affect either the jacking or instrumentation readings, that activity is discontinued until the critical stages of jacking has been completed. (CLOSED ITEM)

Item 92-16 - Reduction of Pre-soak Time Period.

D. Zito asked if consideration has been given to reducing the 24 hour pre-soak period associated with minor grouting activities (e.g. base plates, anchor bolt holes, etc.) J. Kelleher responded that engineering is in the process of reducing the pre-soak time to 8 hours. A DCN containing the new pre-soak requirements will be issued shortly. (CLOSED ITEM)

Item 92-17 - SWPS and Auxiliary Building Work Activity Packages.

D. Zito requested the status of work activity packages submittals for mass excavation between the E/W 5 and 8 grillages and construction of the SWPS pier No. 1. J. Kelleher reported that the work associated with the mass excavation between these grillages had just been separated out from a larger work package which covered mass excavation between the E/W2 and 8 grillages. The work package was finalized yesterday and will be submitted to the Assessment Team today. The work activity package for construction of pier No. 1 at the SWPS will be made

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

Held at Midland Site  
Midland, Michigan  
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available to the Assessment Team in July. It was noted that the work activity package for excavation of the pier and performance of the plate load test has already been reviewed by the Assessment Team. (CLOSED ITEM)

Item 92-18 - Reorganization of the Work Activity Package Review Group.

D. Zito requested details regarding reorganization of the work activity package review group. J. Fisher responded that the review group manpower has been reduced and the group is now functioning on a part time basis. The number of remaining work packages does not necessitate the need to maintain the previous level of staffing. (CLOSED ITEM)

Item 92-19 - W5 Grillage Support Columns.

E. Cvikel discussed the NCR resolution regarding the missed QC welding inspection of a base plate shear lug for one of the W5 grillage support columns. Although the field welding engineer report documented their inspection, this is not acceptable for QC documentation. As a result, Engineering reanalyzed the support column without the shear lug. The reanalysis indicates that frictional resistance at the column base is capable of resisting the design horizontal loading without the shear lug. Based on their reanalysis, Engineering dispositioned the NCR to allow loading of the W5 grillage without any rework. (INFORMATION ITEM)

Response Items

Item 92-20 - FSO Document Control "Self-Audit."

In response to the Assessment Team request for results of the FSO documents control "self-audit," J. Fisher provided a copy of the report summarizing the audit findings. (CLOSES ITEM 92-7)



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

Held at Midland Site  
Midland, Michigan  
June 21, 1984

Present For:

Consumers Power

G. Murray

Bechtel

J. Fisher  
E. Cvikel  
J. Kelleher

MPQAD

J. McMaster  
R. Sevo

Stone & Webster

D. Benvie  
W. Kilker  
P. Majeski  
D. Zito

Parsons Brinckerhoff

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 92-21 - Auxiliary Building Underpinning Activities.

Load transfer began for pier CT 10.

Rock bolt hole drilling began in the Unit 1 FIVP floor slab.

(INFORMATION ITEM)

Item 92-22 - SWPS Underpinning Activities.

J. Fisher reported that grouting of the lower strut plates in the vicinity of the SWPS northeast corner is scheduled for today. (INFORMATION ITEM)

Item 92-23 - BWST Ring Beam Addition in Valve Pit.

J. Kelleher discussed modifications which will be implemented during concrete placement for the BWST ring beam addition within each of the valve pits. The use of a pea gravel mix will not be used for the ring beam addition as previously stated. Instead a grout mix will be placed in the top 6" to 12" of the beams to ensure full penetration in the placement area. As previously reported additional holes will be drilled in the valve pit roof slab to provide increased access for the concrete vibrators. (Item 90-9 remains OPEN) (INFORMATION ITEM)

New Items

Item 92-24 - FCR Task Force Update.

P. Majeski discussed the implementation status of recommendations developed by an FCR Task Force. The recommendations which have been implemented include prioritizing FCRs and designating suitable process times, establishing an average number of FCRs to be processed daily and formation of a planning group to identify areas in advance where an FCR will be needed. It was noted that when the Task Force recommendations were



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Midland Plant, Units 1 & 2  
Consumers Power Company

Held at Midland Site  
Midland, Michigan  
June 21, 1984

formally presented in 4/84, it was reported that a 60 day report would be prepared to evaluate the effectiveness of the recommendations. Mr. Majeski requested the status of this report. J. Kelleher reported that preparation of a first draft is underway and once the report is finalized, the Assessment Team will receive a copy. (OPEN ITEM)

Item 92-25 - Weekly Report # 91.

The text of Weekly Report # 91 was reviewed. It was determined that all open items had been previously identified. (INFORMATION ITEM)

Response Items

No response items were addressed.

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

Held at Midland Site  
Midland, Michigan  
June 22, 1984

Present For:

Consumers Power

G. Murray  
J. Schaub  
J. Mooney

Bechtel

J. Fisher  
E. Cvikl  
J. Kelleher

MPQAD

J. McMaster  
R. Sevo

Stone & Webster

D. Benvie  
W. Kilker  
P. Majeski  
D. Zito

Parsons Brinckerhoff

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 92-26 - Auxiliary Building Underpinning Activities.

Drifting to pier CT8 has begun.

Load transfer for the E5 grillage was initiated.

Placement of concrete was completed for the Kc8 to Kc9 drift invert.

(INFORMATION ITEM)

Item 92-27 - SWPS Underpinning Activities.

J. Fisher reported that the two lower strut plates in the vicinity of the SWPS northeast corner were grouted in preparation for excavation of the pier No. 1 drop pit. (INFORMATION ITEM)

New Items

Item 92-28 - FSO Quality Engineering Bi-Monthly Controlled Document Review.

J. Fisher reported that the FSO Quality Engineering group will perform their bi-monthly review of the FSO controlled document station this weekend. (INFORMATION ITEM)

Response Items

Item 92-29 - BWST Ring Beam Addition in Valve Pit.

The Assessment Team has reviewed the FCR specifying use of a grout mix for the top 10 in. of the BWST ring beam additions inside the valve pits. Additionally, installation of additional drill holes in the valve pit roof slabs to provide increased access for vibrators during concrete placement for the ring beams has been verified. The Assessment Team concludes that implementation of these

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Independent Assessm of Underpinning  
Midland Plant, Units 1 & 2  
Consumers Power Company

Held at Midland Site  
Midland, Michigan  
June 22, 1984

modifications will ensure full concrete penetration into all areas of the ring beam placement area within the valve pits. (CLOSES ITEM 90-9)

Item 92-30 - MPQAD Inspection Reports of Concrete.

In response to the Assessment Team request for additional information concerning the voiding of a Q.C. inspection report caused by cancellation of concrete placement for the CT 1/12 piers, MPQAD has reviewed with the Assessment Team the sequence of initiation, preparation and closure of three QC inspection reports associated with batching of concrete for these piers. Based on a review of the circumstances and chronology of events associated with these inspection reports, the Assessment Team concludes that these reports were properly completed in accordance with MPQAD procedures. (CLOSES ITEM 91-21)