

# STONE & WEBSTER ENGINEERING CORPORATION



245 SUMMER STREET, BOSTON, MASSACHUSETTS

ADDRESS ALL CORRESPONDENCE TO P.O. BOX 2325, BOSTON, MASS. 02107

W U TELEX 94-0001  
94-0977

BOSTON  
NEW YORK  
CHERRY HILL, N.J.  
DENVER  
CHICAGO  
HOUSTON  
PORTLAND, OREGON  
WASHINGTON, D.C.

DESIGN  
CONSTRUCTION  
REPORTS  
EXAMINATIONS  
CONSULTING  
ENGINEERING

United States Nuclear Regulatory Commission  
Midland Site Resident Inspection Office  
Route 7  
Midland, MI 48640

December 7, 1982

J.O. No. 14358  
Ref. MFP 11

Attention Mr. R. Cook

RE: DOCKET NO. 50-329/330  
MIDLAND PLANT - UNITS 1 AND 2  
INDEPENDENT ASSESSMENT OF AUXILIARY BUILDING UNDERPINNING  
REPORT NO. 11

A copy of the Independent Assessment of the Auxiliary Building Underpinning Weekly Report No. 11 for the period November 28 through December 4, 1982, is enclosed with this letter. Included, as an attachment, are the minutes of the daily meetings held between members of the Assessment Team and Site Engineering, Construction and Quality Assurance personnel during the week.

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

*A S Lucks*  
A. Stanley Lucks  
Project Manager

Enclosures

ASL/nb

PRINCIPAL STAFF			
RA		OL	
D/RA		ENF	
A/RA		PAO	Reg 7.2
DP&RP		SLO	
DEFCOS			
DECTP			
ML			
OL		FILE	<i>ASL</i>

J.O. No. 14358  
Midland Plant  
Units 1 and 2  
Independent Assessment  
Auxiliary Building Underpinning

Weekly Report No. 11

November 28 through December 4, 1982

Personnel on Site

Stone & Webster Engineering Corporation (SWEC)

A. B. Scott 12/1 - 12/3

Parsons, Brinckerhoff, Quade & Douglas (PBQD)

J. Ratner 11/29 - 12/3

Activities

Observed the results of a bell mock-up concrete pour done on November 23, 1982, at the Poseyville Storage Yard.

Reviewed the latest revision of the Auxiliary Building and FIVP Underpinning specification.

Meetings Attended

<u>Date</u>	<u>Represented</u>	<u>Purpose</u>
11/30 through 12/02	Stone & Webster(12/1-12/2) Bechtel Parsons, Brinckerhoff, Quade & Douglas(11/30-12/1) Consumers Power	Daily Meeting
12/2	Stone & Webster Bechtel Parsons, Brinckerhoff Quade & Douglas Consumers Power Mergentime	Update on items requiring resolutions to start construction-- Specification, Procedures, PQCI's, and QC Training
12/3	Stone & Webster Bechtel Parsons, Brinckerhoff Quade & Douglas Mergentime Consumers Power	Weekly Soils Review

Observations

The concreted mock-up of a belled pier showed no significant voids or evidence of separation between fine and course aggregates.

J.O. No 14358  
Midland Plant  
Units 1 and 2  
Independent Assessment  
Auxiliary Building Underpinning

Non-Conformance Identification Report

No new issues.

Status of previous issues:

<u>NIR No.</u>	<u>Date</u>	<u>Status</u>
1	10/21/82	Open
2	10/29/82	Open

W E Keller  
Project Engineer

A S Smith WET  
Project Manager

INDEPENDENT ASSESSMENT TEAM MEETING WITH BECHTEL

Date: November 29, 1982

No Meeting held this date. No representatives from Stone & Webster or Parsons Brinckerhoff present on site at meeting time.

INDEPENDENT ASSESSMENT TEAM MEETING WITH BECHTEL

Date: November 30, 1982

Attendees:

<u>PEQD</u>	<u>Bechtel</u>	<u>CPCo</u>	<u>MPQAD</u>
J. Ratner	J. Fisher E. Cviki	R. Weiland	L. Kettren

1. Fisher stated that the letter to the NRC from CPCo notifying the agency that CPCo is ready to start work may be transmitted to NRC early part of next week, at the earliest.
2. Upon approval to start work, contractor will start both East and West number 12 Piers on a single shift basis.
3. Contractor will start bringing material to work areas after letter to NRC requesting permission to start is sent.

INDEPENDENT ASSESSMENT TEAM MEETING WITH BECHTEL

Date: December 1, 1982

Attendees:

FBQD

J. Ratner

CPCO

R. Weiland

Bechtel

J. Fisher  
E. Cvikl  
D. Lavelle

MPQAD

L. Kettren

1. J. Fisher stated that they are proceeding on schedule to complete their review in order that CPCo can advise the NRC on Monday, December 6, 1982, that the underpinning work is ready to be started.

INDEPENDENT ASSESSMENT TEAM MEETING WITH BECHTEL

Date: December 2, 1982

Attendees:

<u>SWEC</u>	<u>PBQD</u>	<u>CPCO</u>	<u>Bechtel</u>
A. Scott	J. Ratner	R. Weiland	J. Fisher E. Cvikl D. Lavelle

1. J. Fisher stated that CPCo is continuing on schedule to send letter to NRC requesting permission to start underpinning. Tentive schedule:
  - a. Send Letter to NRC Monday, December 6, 1982.
  - b. NRC to come to site Wednesday, December 8, 1982, to review CPCo.
  - c. Start work pier 12 Monday, December 13, 1982.
2. Bechtel will test mud mat mix with a higher temperature water (but no accelerator) in order to attempt to reduce time to obtain 300 psi.
3. J. Fisher will find out the Holiday schedule for working during the Christmas and New Year holidays.

INDEPENDENT ASSESSMENT TEAM MEETING WITH BECHTEL

Date: December 3, 1982

No meeting was held this date. Meeting cancelled by Bechtel Corporation.