



**Consumers
Power
Company**

Midland Project: PO Box 1963, Midland, MI 49640 • (517) 631-8650

PRINCIPAL STAFF	
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Roy A. Wells
Executive Manager
Midland Project Office

April 21, 1983

Mr. Jay Harrison
US Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

MIDLAND ENERGY CENTER PROJECT - CLARIFICATION OF CPCO POSITIONS
File: 1.1.5 Serial: 22124

Per request of Mr. Ron Gardner to Roy A. Wells during an exit meeting at the Midland Site on February 18, 1983, this letter confirms Consumers Power Company's positions in the areas noted below:

TRAINING REGARDING IPINS

Personnel are being trained that IPINS are no longer authorized for use on the Midland Project. In addition, training emphasizes that once an inspection is initiated, it will be completed to the point of construction completion and that all nonconforming conditions observed will be documented on a nonconformance report.

Procedures presently being written for verification and statusing activities required by the Construction Completion Plan (CCP) will cover Inspection Reports (IR) that have an associated IPIN to assure that inspections are complete and that all existing nonconformances are documented. Personnel will be trained in these procedures.

HOW TO HANDLE INSPECTION REPORTS WITH IPINS

Closed IRs

During the verification phase of the Construction Completion Plan (CCP), all closed Inspection Reports (IRs) that had IPINS associated with them will be 100% verified by physical reinspection where possible and by documentation verification where attributes are inaccessible. Any nonconforming condition observed will be documented on a nonconformance report. Correction of nonconforming conditions previously noted on the IPIN will be specifically verified. This process will assure that the item being reinspected has received a total verification.

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FDR FOIA
RICEB4-96 FDR

APR 28 1983

Open IRs

All items with an open IR and a partial inspection will be completely reinspected during the systems statusing phase of the CCP. This will be done as part of the System Completion Teams Phase I responsibility. Inspections will be done using revised PQCI's and any nonconforming conditions will be documented on nonconformance reports. During the reinspection, nonconforming conditions previously identified on an IPIN will be specifically reverified and, if they still exist, will then be documented on a nonconformance report as part of the normal reinspection process. This process will assure that nonconforming conditions will be properly documented, that rework will not cover up a nonconforming condition, and that all units receive a total inspection before the IR can be closed.

PERFORMANCE DEMONSTRATIONS BY QA/QC PERSONNEL

In order to minimize the peer pressure that might be experienced by Level II/III personnel administering performance demonstrations for Project Quality Control Instructions (PQCIs) as part of the QCE recertification process, the following approach is being used:

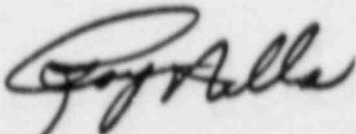
Balance of Plant PQCIs

Performance demonstrations for QC personnel are being given by Level II/III personnel assigned to Balance of Plant - QA.

Soils PQCIs

Performance demonstrations for QC personnel are being given by Level II/III personnel who do not have an established peer relationship with the QC inspector being tested. Bechtel QC personnel are administering performance demonstrations to Contractor QC personnel and conversely, Contractor QC personnel administer performance demonstrations to Bechtel QC personnel. Personnel assigned to QA section of the Soils organization administer performance demonstrations to either Bechtel or Contractor QC personnel.

The above should be responsive to Mr R Gardner's questions. As appropriate, the above concepts will be incorporated into formal procedures.



RAW/jln

CC JWCook
DBMiller
JEBrunner



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

December 20, 1983

J. Harrison

PRINCIPAL STAFF		
RA	<i>pas</i>	DRP
D/RA		DE
A/RA		DR/SP
RC		DR/MA
PAO		SCS <i>pas-3</i>
SGA		File
ENF		File <i>pas</i>

Docket Nos: 50-329
and 50-330

Mr. J. W. Cook
Vice President
Consumers Power Company
1945 West Parnall Road
Jackson, Michigan 49201

Dear Mr. Cook:

Subject: NRC 1983 Schedule for Midland

Your letter of October 28, 1983, recommends deferring further Case Load Forecast Panel (CFP) meetings for Midland Plant, Units 1 and 2 pending completion of your new Unit 2 schedule shortly after the first of the year. You note that Dow's termination and delays in approval of the CCP have invalidated the plan set forth and reviewed with the CFP in April 19-21, 1983. You provide no estimate when your decision for Unit 1 will be available.

Based upon the information and observations as of April 19-21, 1983, the staff concluded that some months beyond the second quarter of 1986 was the earliest date that completion of Unit 2 could reasonably be expected, and that Unit 1 was expected to be completed about 6 to 9 months thereafter. The staff's 1983 projection assumed approval of the Construction Completion Plan in May 1983. The actual approval occurred on October 6, 1983. Subsequently, several stop work orders were issued by CPCo which are currently impacting all safety-related construction.

In a November 9, 1983, press release, CPCo announced preliminary indications that commercial operation of Unit 2 may be delayed until mid-1986, rather than February 1985, based upon the study to be completed by the end of 1983.

Accordingly, for our planning purposes, we intend to use September 1986 as our planning date for completing the licensing review process for Unit 2. We will reevaluate our projection in 1984.

Sincerely,

Thomas M. Novak; Assistant Director
for Licensing
Division of Licensing

5403190786
cc: See next page

JAN 5 1984

'83 APR 15 P1:51

April 12, 1983
JEB 10-83

PRINCIPAL STAFF	
RA	<i>[Handwritten initials]</i>
DA	<i>[Handwritten initials]</i>
SA	<i>[Handwritten initials]</i>
CA	<i>[Handwritten initials]</i>
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MA	<i>[Handwritten initials]</i>
NA	<i>[Handwritten initials]</i>
OL	<i>[Handwritten initials]</i>

Chairman C Bechhoefer
Atomic Safety & Licensing Board Panel
US Nuclear Regulatory Commission
Washington, DC 20555

Dear Chairman Bechhoefer

Consumers Power Company is planning to announce its new construction schedule for the Midland Nuclear Plant today. The new fuel load date for Unit 2 is October 1984. The fuel load date for Unit 1 is February 1985. Commercial operation dates for Units 2 and 1 are set at February 1985 and August 1985, respectively.

Thank you for your attention.

Very truly yours

[Handwritten signature: James E. Brunner]
J E Brunner

CC OL/OM Service List

50-329

8304180368 830412
PDR ADECK 05000329
G PDR

830483-0407a100

D503

SERVICE LIST

Frank J. Kelley, Esq
Attorney General of the
State of Michigan
Carole Steinberg, Esq
Assistant Attorney General
Environmental Protection Div
720 Law Building
Lansing, MI 48913

Myron M. Cherry, Esq
Suite 3700
Three First National Plaza
Chicago, IL 60602

Mr. Wendell E. Marshall
RFD. 10
Midland, MI 48640

Charles Beckhofer, Esq
Atomic Safety & Licensing
Board Panel
U S Nuclear Regulatory Comm
Washington, D C 20555

Dr. Frederick F. Cowan
6152 N Verda Trail
Apt B-125
Ecos Hatch, MI 48433

Carroll E. Mahoney
Babcock & Wilcox
PO Box 1260
Lynchburg, Virginia 24505

James E. Brunner, Esq
Consumers Power Company
212 West Michigan Avenue
Jackson, MI 49201

Mr. D. F. Judd
Babcock & Wilcox
PO Box 1260
Lynchburg, VA 24505

Steve Jabler, Esq
2120 Carter Avenue
St Paul, MI 48108

Atomic Safety & Licensing
Appeal Panel
U S Nuclear Regulatory Comm
Washington, D C 20555

Mr. C. R. Stephens
Chief, Docketing & Services
U S Nuclear Regulatory Comm
Office of the Secretary
Washington, D C 20555

Ms. Mary Sinclair
5711 Summerset Street
Midland, MI 48640

William D. Fenton, Esq
Counsel for the NRC Staff
U S Nuclear Regulatory Comm
Washington, D C 20555

Atomic Safety & Licensing
Board Panel
U S Nuclear Regulatory Comm
Washington, D C 20555

Barbara Staniris
5795 North River Road
Rt 3
Freeland, MI 48623

Jerry Harbour
Atomic Safety & Licensing
Board Panel
U S Nuclear Regulatory Comm
Washington, D C 20555

Lee L. Bishop
Hannon & Weiss
1725 "I" Street, NW #506
Washington, DC 20006

M. I. Miller, Esq
Isham, Lincoln & Beale
Three National Plaza
52nd Floor
Chicago, IL 60603

John DeMaester, Esq
Dow Chemical Bldg
Michigan Division
Midland, MI 48640

STONE & WEBSTER ENGINEERING CORPORATION

245 SUMMER STREET, BOSTON, MASSACHUSETTS

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

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

February 23, 1983

J.O. No. 14358
Ref. MPF 22

Attention Mr. R. Cook

RE: DOCKET NO. 50-329/330
MIDLAND PLANT - UNITS 1 and 2
INDEPENDENT ASSESSMENT OF AUXILIARY BUILDING UNDERPINNING
REPORT NO. 22

A copy of the Independent Assessment of the Auxiliary Building Underpinning Weekly Report No. 22 for the period February 13, 1983 through February 19, 1983, 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.

Very truly yours,

A. Stanley Lucks
A. Stanley Lucks
Project Manager

A. Stanley Lucks
Project Manager

Enclosures

ASL/ka

PRINCIPAL STAFF	
RA	ENF
D/RA	SCS ✓ 8/10 +3 ✓
A/RA	PAO
DRP	SLO
DRMA	RC
DRMSP	
DEP	
ML	
OL	FILE/10

FEB 25 1983

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

Weekly Report No. 22

February 13, 1983 through February 19, 1983

Personnel on Site

Stone & Webster Engineering Corporation (SWEC)

B. Holsinger	2/17 - 2/19
W. Kilker	2/17 - 2/19
L. Rouen	2/14 - 2/16
P. Barry	2/14 - 2/16
A. Scott	2/14 - 2/19

Parsons, Brinckerhoff, Quade and Douglas (PBQD)

J. Ratner	2/14 - 2/17
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Meetings Attended

<u>Date</u>	<u>Represented</u>	<u>Purpose</u>
2/14 through 2/18	Stone & Webster Bechtel Consumers Power Parsons (2/15 - 1/17)	Daily Meetings

Activities

Construction - At the W12 pier location, the upper and lower leveling plates were bolted to the turbine building mat and the top of the pier, respectively. The nominal 2 inch spaces between the leveling plates and the structural concrete surfaces were then filled with dry-pack grout.

The telltale instrumentation was installed in pier E12, the formwork between E1 600 and 605 was completed and the concrete was placed in a continuous pour from the bottom of the bell, E1 565, to top of the pier, E1 605. The upper leveling plate was installed. The proofload jacking of Unit 2 FIVP was performed.

Quality Control, Documentation and Records

1. Reviewed the Quality Control Instruction on proof-jacking the FIVPs.
2. Reviewed the QC Inspection Report completed for the Unit 2 FIVP proof-jacking.
3. Observed the Unit 2 FIVP proofload jacking and the in-progress QC inspection of the jacking.
4. Reviewed performance history of concrete mix utilized for piers W12 and E12.

Quality Control, Documentation and Records - (continued)

5. Witnessed QC inspection of dry-pack placement for upper plate at pier W12.
6. Observed the placement of the concrete at pier E12.
7. Witnessed the QC inspection and testing of concrete during the pier E12 concrete placement.

Observations

Construction - The placement of the dry-pack grout between the leveling plates and the structural concrete at pier W12 was properly done. However, the initial handling of the grout material was found wanting in that the bags of grout were opened and spread-out well before required for placement. As the activity proceeded the Contractor modified the handling so that the grout bags remained sealed until just prior to mixing and placement.

Observations of the bell area of pier E12 prior to concrete placement revealed minor unraveling of the exposed soil. This occurrence was due to air exposure for a period of at least 11 days. Although no significant problems occurred on this bell, the Assessment Team feels that based on normal good industry practice, for future piers the time between bell excavation and concreting should be appreciably reduced.

The concrete-mix and placement procedure for pier E12 were in accordance with the project documents. The Contractor selected the same concrete mix design used for pier W12 since the mix design using plasticizer had not yet been approved.

The proofload jacking of Unit No. 2 FIVP was well planned and executed. The entire organization responded efficiently in resolving a jack recalibration non-conformance.

Quality Control, Documentation and Records - The Quality Control procedures and reports reviewed by the Assessment Team were properly prepared and executed. The QC inspectors performing the inspections had a good understanding of the activity being inspected as well as their own role. With respect to the FIVP proofload jacking in particular, the Quality Assurance organization produced a good quality inspection plan from the field procedure outlined on a project drawing. In addition, the QA organization recognized ahead of time the need for training the construction personnel on the jacking procedure and established training as a prerequisite for the jacking.

With respect to a minor problem noted in Weekly Report No. 20, the Team verified that a change has been made. The PQCI and corresponding Inspection Report now provide a means for documenting the results of concrete consolidation.

J.O. NO. 14358
Midland Plant
Units 1 and 2
Independent Assessment
Auxiliary Building Underpinning 3

Non-Conformance Identification Reports

Status of previous issues: (NIR numbers on longer listed have been closed-out.)

<u>NIR NO.</u>	<u>Description</u>	(Opened)	<u>Date</u>	(Closed)
5	Concrete Mix Qualification	2/10/83)		

Wayne E. Miller
Project Engineer

A. S. Smith by WSK
Project Manager

INDEPENDENT ASSESSMENT TEAM MEETING WITH BECHTEL

Date: February 14, 1983

Attendees:	<u>Bechtel</u>	<u>Stone/Webster</u>	<u>MPQAD</u>	<u>CPCo</u>
	J. Fisher	L. Rouen	R. Sevo	—
	E. Cvikl	P. Barry		
	J. Gaydos			

1. J. Fisher said trial mixes of all new concrete mixes will be run. Notification will be given to all interested parties when begun.
2. Concrete placement for E12 is scheduled for Wednesday. Unit 2 FIVP jacking is scheduled for Tuesday.
3. R. Sevo asked about load transfer mock-up. J. Fisher will check on this.

INDEPENDENT ASSESSMENT TEAM MEETING WITH BECHTEL

Date: February 15, 1983

Attendees:	<u>Bechtel</u>	<u>Stone/Webster</u>	<u>MPQAD</u>	<u>CPCo</u>
	J. Fisher	L. Rouen	R. Sevo	G. Murray
	E. Cvikl			
	J. Gaydos			

Parsons

J. Ratner

1. In response to an earlier Team question, J. Fisher said bentonite was not used to prevent slaking because Mergentime felt it would not adhere to the clay surface.
2. J. Fisher advised that if a pier was poured using both a mix with plasticizer and without, cylinders would be made for each mix.
3. J. Ratner expressed concern about the bell in pier E12 being exposed to air for such a long period of time. J. Fisher said that he and M. Lewis had discussed this before and will if necessary take measures to protect the face of the excavation.
4. E. Cvikl stated that a new crack in the FIVP had been mapped. This crack would be inspected by CTL Company. Bechtel Ann Arbor will evaluate.

INDEPENDENT ASSESSMENT TEAM MEETING WITH BECHTEL

Date: February 16, 1983

Attendees:	<u>Bechtel</u>	<u>Stone/Webster</u>	<u>MPQAD</u>	<u>CPCo</u>
	E. Cviki	A. Scott	R. Sevo	G. Murray
	J. Fisher	P. Barry		
		L. Rouen		
		<u>Parsons</u>		
		J. Ratner		

1. J. Fisher will advise when trial mixes will be run for the concrete mix C-5c with & without plasticizer.
2. The schedule for FIVP jacking has been delayed, due to the fact that the Jack calibration records must be checked for those jacks used to install anchor bolts.
3. L. Rouen asked for clarification on which steps in MCP 16.000 on splicing of Fox-Howlett couplers must be performed by the qualified splicer whose identification mark goes on the bar.
4. J. Fisher advised that there would be a "dress rehearsal" for the load transfer prior to actual pier loading. Will advise the time.
5. L. Rouen stated the FIVP proof jacking and pier W12 concrete placement were performed adequately in the views of the Assessment Team members present.

INDEPENDENT ASSESSMENT TEAM MEETING WITH BECHTEL

Date: February 17, 1983

Attendees: Bechtel Stone/Webster MPQAD CPCo
 D. Lavelle A. Scott J. Shah G. Murray
 E. Cvikl
 J. Gaydos

Parsons
J. Ratner

1. D. Lavelle reviewed the list of requirements needed prior to jacking the FIVP Unit 2 east side. At present the start of jacking will be 7:00 AM on February 18, provided all requirements are met this date.
2. A "dress rehearsal" for pier W12 load transfer will be held in Mergentime's Mechanical Shop at 10:00 AM and 5:30 PM on February 18, and at pier W12 on Monday February 21, with the actual load transfer to be performed on February 22.
3. D. Lavelle presented a new organization chart to show how Bechtel plans to organize their forces to expedite the disposition and closing of NCR's and to effect better planning and scheduling of materials for the construction forces.
4. Mr. Cvikl stated that CTL had been on the job to investigate the new crack that appeared in the west FIVP and that he was awaiting a written report.
5. J. Ratner asked if there were plans to reduce the time for leaving the bell open. J. Fisher stated that scheduled time for the bell to be open was to be 12 to 13 days and thought this was good and not detrimental.
6. A. Scott requested information concerning the resolution of the question originally raised on January 27, concerning "hold tag" on Reshore Channel and which was dropped on February 10 from the meeting notes. "Hold tag" is still in-place. J. Fisher indicated he would raise this concern in the weekly management meeting.

INDEPENDENT ASSESSMENT TEAM MEETING WITH BECHTEL

Date: February 18, 1983

Attendees:	<u>Bechtel</u>	<u>Stone/Webster</u>	<u>MPQAD</u>	<u>CPCo</u>
	E. Cvikl	A. Scott	-----	G. Murray
	J. Gaydos	W. Kilker		
	J. Fisher			

1. J. Fisher advised that jack stand fabrication will begin today at the Poseyville fab. shop.
2. J. Fisher said FIVP, Unit 2 proof-jacking will be either on February 18 or February 19. Will advise.

U. S. NUCLEAR REGULATORY COMMISSION
REGION II

SUBJECT: SUBMITTAL OF ENVIRONMENTAL STATEMENT FOR THE PROPOSED CONSTRUCTION AND OPERATION OF THE [illegible] REACTOR AT THE [illegible] SITE, [illegible] COUNTY, [illegible] STATE.

DATE: [illegible]

CONTENTS MUST NOT BE REMOVED

RETURN TO: REGION II CENTRAL DEPOSITORY [illegible]