



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

Handwritten initials/signature in the top right corner.

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

October 3, 1983
J. O. No. 14509
NRC File #83-10-03

RE: DOCKET NO. 50-329/330
MIDLAND PLANT - UNITS 1 AND 2
OVERVIEW OF THE CONSTRUCTION COMPLETION PROGRAM
REPORT NO. 16

A copy of the Construction Implementation Overview Report No. 16 for the period September 26, 1983 through September 30, 1983 is enclosed with this report. There were no scheduled Management CCP meetings during this reporting period. Evaluations of CCP activities are attached.

Very truly yours,

Handwritten signature of S.W. Baranow.

S.W. Baranow
Program Manager

Enclosure

SWB/ka

cc: JHarrison, US NRC, Glen Ellyn, IL
RCook, US NRC Midland (site)
DBMiller Jr., CPCo Midland (site)
RBKelly, S&W
APAmoruso, S&W
CORichardson, S&W

Handwritten note: add 1 pg

Report No. 16

September 26, 1983 through September 30, 1983

Personnel on Site

Stone & Webster Michigan, Inc.

S. Baranow	T. Parker	J. Barr
J. Thompson	R. Carpeggiani	C. Larsen (temporary)
W. Sienkiewicz	R. Corson	P. Amoruso
J. Langston	D. Cooke	J. Chawla
R. Scallan	J. Seely	

Meetings

During the reporting period, CIO attended meetings conducted by Bechtel Power Company.

1. The daily staff management meeting is chaired by Mr. G. Hierzer, BPCo Site Manager and includes all the BPCo Senior Staff from the Construction Management, Superintendents, QA, MPQAD, Engineering, Design, Resident Engineer, Procedures, Training, Contracts, G.S.O. and Personnel Departments.

Specific topics discussed during the meetings were as follows:

- status of CPCo NCRs
 - paint removal to make weld accessible for reinspection
 - low alloy quenched and tempered steel (LAQTS) bolts
 - reducing unnecessary attachments to drawings
 - stop work order issued for drilling into concrete
 - status of procedures
 - training records
2. The daily staff meetings are chaired by J. Reinsch and includes team leaders and support personnel from CPCo, BPCo and MPQAD.

Team management, restraints and training were the subjects of discussion at these meetings.

Specific problems addressed this week were:

- stop work order issued for drilling into existing concrete
 - training attendance and training records
3. Training and Training Records meeting (Reference FPG-2.000 - "Training of Construction Personnel,") was held on September 28, 1983.

This meeting was chaired by T. Spelman, CPCo and was attended by CIO and Bechtel personnel. Topics of discussion were training, control of training documents and duties and responsibilities of personnel associated with the program.

4. Group I and Group II meetings were held on September 28, 1983.

These meetings were chaired by the cognizant Group Leader and were attended by the team representatives of BPCo, CPCo, MPQAD and their support personnel. At these meetings CIO team representatives were introduced to their counterparts in CPCo, BPCo and MPQAD.

5. A meeting chaired by G. Hierzer, BPCo Site Manager was held on September 30, 1983 for discussions of:
- controlled structural steel drawings which were retired 3 years ago are to be resurrected
 - commodities lists are incomplete and require up-dating
 - controlled drawings shall be marked-up by the responsible Field Engineer and Quality Control Engineer to determine completion and inspection status
 - sections on drawings will be "ballooned" to indicate completed work
 - paint removal for inspection of shop welds, reference past NCRs
 - 3,000 hangers do not have closed inspection reports
 - controlled drawings are required for both concrete and rebar
 - for lost or missing pour cards, inspection reports will be related to specific drawings
 - missing rebar is to be identified
 - considerations for methods of traceability of containment liner plates

In attendance at this meeting were Management and Senior Staff personnel of BPCo, CPCo, MPQAD.

6. A meeting was convened by R. A. Wells on September 26, 1983 to discuss the following topics:
 - reinspection of hanger supports
 - status of the (LAQTS) bolt investigation
 - material problems of piping, flanges and fittings supplied by Tubeline and R. Miller Company
 - arc strike acceptance
 - audit of Zack by US NRC

ACTIVITIES

1. Training

- A. CIO attended and evaluated construction/craft training sessions on September 28 and September 29, 1983.

Training subjects:

- Generic Construction Test Procedure, Hydrostatic for Underground Sanitary, Storm, Oil and Corrosive Waste and Gravity Collection Systems (Course I.D. 833) Reference Procedure FPB 3.100, Rev 0
- Generic Construction Test Procedure, Hydrostatic and Pneumatic Pressure Tests per NFPA Code 834, Reference Procedure FPB 4.000

CIO evaluation of the presentation was considered to be satisfactory and was in compliance with FPG 2.000 "Training of Construction Personnel."

Results of the evaluation have been documented on Checklist No. MP-MIS-001E and are available for review.

B. MPQAD Training Records:

CIO performed a sample inspection of 6 training records of 45 personnel and observed the following areas of discrepancies.

- use of forms from both procedures B-3M and B-3M-1 were utilized to document training activities

- yearly vision examination of an MPQAD inspector was exceeded
- on-the-job training records incomplete and/or unavailable
- certification forms for inspectors are not available

NIRs 002, 003, 004 and 005 have been issued on October 3, 1983. The sample size and list of personnel will be identified for CPCo to review records of the 45 MPQAD personnel. Upon completion of corrective action, CIO shall verify the correction action with additional sampling.

2. Zack - HVAC Activities

- CIO performed surveillance inspection of welder performance qualifications which were performed in accordance with, "Welder Qualification Procedure MB-FP-18 and AWS D1.3-78
- preparation of checklist for, "Repair of Heating/Cooling Coil Fins" is continuing

3. Closed Action Items

June 14, 1983 Report No. 2

- (a) discussion of nonconforming items with Project Engineering
- (b) has a program been developed and responsibilities established of personnel assigned to process nonconformances?

Resolutions

- (a) CIO has met with Project Engineering on September 28, 1983 for discussion of the purpose of the nonconformance program as it applied to the Nutech program. The discussion was considered satisfactory. This item is closed.
- (b) Nutech procedures were reviewed by CIO and were found to be satisfactory for their intended application. Approval letters by Project Engineering and MPQAD of the Nutech program were reviewed and attached to the program. This item is closed.

4. Open Items

July 18, 1983 Report No. 5

- (a) CPCo has committed to develop a vendor equipment verification program.

CIO has not been provided with the program or scheduled date of issue.

JOB NO. 14509
MIDLAND NUCLEAR POWER PLANT
REPORT NO. 16
PAGE 5

GENERAL

1. Signed affidavit and resume of T. A. Parker, Senior FQC Engineer have been transmitted to Mr. J. J. Harrison, US NRC Glen Ellyn, IL.
2. Resume of R. G. Burns, Assistant Quality Assurance Manager, Boston has also been transmitted to Mr. J. J. Harrison.

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

Observation Number	Observations	Originating Document/Date	CPCo Response Document/Date	Status Open/Closed	Close-Out Document/Date
011	<p>MRC Meeting 6/1/83</p> <p>(a) discussion of nonconforming items with Project Engineering</p> <p>(b) has a program been developed and responsibilities established of personnel assigned to process non-conformances?</p>	Report No. 2 6/14/83	N/A	Closed	Report No. 16 10/3/83
		Report No. 2 6/14/83	N/A	Closed	Report No. 16 10/3/83
030	Need to review Vendor Equipment Verification Program-MPQAD/SMO	Report No. 5 7/18/83		Open	

STONE AND WEBSTER ENGINEERING CORPORATION
 NONCONFORMANCE IDENTIFICATION REPORT

QCI 15.01
 Attachment 4.1
 Revision 2

PAGE 1 OF 3

DATE OF NONCONFORMANCE: SEPTEMBER 27, 1983 NIR NUMBER 002

IDENTIFICATION/LOCATION OF ITEMS:

MPQAD - RECORDS FILE SECTION

DESCRIPTION OF NONCONFORMANCE:

During a sample inspection of 6 of 45 MPQAD Personnel Training Records, discrepancies were observed in the use of forms to document training activities. It was observed that forms from both B-3M and B3M-1 Procedures were utilized. Forms as found in B-3M-1 are the appropriate ones. See attached list of discrepant items:

Walter H. Sienkiewicz
 INITIATOR

DATE September 27, 1983

PROGRAM MGR [Signature]

DATE October 3, 1983

CORRECTIVE ACTION BY:

MPQAD

IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

VERIFICATION	SAT	UNSAT	NEW NIR#	CONCURRENCE
INITIATOR			DATE	PROGRAM MGR
DATE				DATE

REMARKS

PERSONNEL

1) B. E. FREIMARK - 365-64-4818

- 1) Vision Examination Record - Form QA-14-2 used in lieu of QA-115-0
- 2) Performance Demonstration Record Form QA-10-2 used in lieu of QA-114-0

2.) T. G. NELSON - 276-56-6857

- 1) Vision Examination Record - Form QA-14-2 used in lieu of QA-115-0
- 2) Personnel Certification - Form QA-37-0 used in lieu of QA-37-1
- 3) Performance Demonstration Record Form QA-10-2 used in lieu of QA-114-0

3. S. REVICH - 379-84-0876

- 1) Inspection Test Personnel Qualification Questionnaire Form QA-12-2 used
in lieu of QA-117-0 and QA-118-0
- 2) Vision Examination Record - Form QA-14-2 used in lieu of QA-115-0
- 3) Personnel Certification - Form QA-37-0 used in lieu of QA-37-1,
Also a revision was not listed on the form.

4) Performance Demonstration Record Form QA-10-2 used in lieu of QA-114-0

4) D. W. GASKILL - 278-54-0575

- 1) Vision Examination Record Form QA-14-2 used in lieu of QA-115-0
- 2) Performance Demonstration Record Form QA-10-2 used in lieu of QA-114-0

5) B. D. HINES - 365-52-6895

- 1) Inspection Test Personnel Qualification Questionnaire Form QA-12-2 used
in lieu of QA-117-0 and QA-118-0
- 2) Vision Examination Record Form QA-14-2 used in lieu of QA-115-0
- 3) Personnel Certification Form QA-37-0 used in lieu of QA-37-1
- 4) Performance Demonstration Record Form QA-10-2 used in lieu of QA-114-0

6) J. R. ADOMOWSKI - 368-46-9164

1) Vision Examination Record Form QA-14-3 used in lieu of QA-115-0

2) Performance Demonstration Record Form QA-10-2 used in lieu of QA-114-0

STONE AND WEBSTER ENGINEERING CORPORATION
 NONCONFORMANCE IDENTIFICATION REPORT

QCI 15.01
 Attachment 4.1
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PAGE 1 OF 1

DATE OF NONCONFORMANCE: SEPTEMBER 27, 1983 NIR NUMBER 003

IDENTIFICATION/LOCATION OF ITEMS:

MPQAD - RECORDS FILE SECTION

DESCRIPTION OF NONCONFORMANCE:

A check of MPQAD Personnel Training Records indicated that the yearly Vision Examination of B. D. Hines was exceeded. The due date for the Examination was March 9, 1983. The date of the Examination was March 18, 1983.

Walter H. Sienkiewicz
 INITIATOR

DATE September 27, 1983

PROGRAM MGR [Signature]

DATE October 3, 1983

CORRECTIVE ACTION BY:

MPQAD

IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

VERIFICATION	SAT	UNSAT	NEW NIR#	CONCURRENCE
INITIATOR	_____		DATE	PROGRAM MGR _____
DATE	_____		DATE	DATE _____

REMARKS

STONE AND WEBSTER ENGINEERING CORPORATION
NONCONFORMANCE IDENTIFICATION REPORT

QCI 15.01
Attachment 4.1
Revision 2

PAGE 1 OF 2

DATE OF NONCONFORMANCE: SEPTEMBER 27, 1983		NIR NUMBER 004
<u>IDENTIFICATION/LOCATION OF ITEMS:</u>		
MPQAD - RECORDS FILE SECTION		
<u>DESCRIPTION OF NONCONFORMANCE:</u>		
<p>During a sample inspection of 6 of 45 MPQAD Personnel Training Records, the following discrepancies were observed in the use of the on-the-job training records as required in Deviation #99 to Procedure B-3M-1.</p>		
<u>Walter H. Sankiewicz</u> INITIATOR		PROGRAM MGR <u>[Signature]</u>
DATE <u>September 27, 1983</u>		DATE <u>October 3, 1983</u>
CORRECTIVE ACTION BY: _____		
MPQAD		
IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION		
VERIFICATION	SAT	UNSAT
INITIATOR	_____	
DATE	_____	
NEW NIR#	_____	
DATE	_____	
CONCURRENCE		_____
PROGRAM MGR		_____
DATE		_____
REMARKS		

PERSONNEL

- 1) B. E. FREIMARK - 365-64-4818
 - 1) There was no revision number listed on the OJT training record
- 2) T. G. NELSON - 276-56-6857
 - 1) The on-the-job training record was not available in the records file, but the above individual was certified to PQCI-E-6.0 Rev. 15
- 3) S. REVICH - 379-84-0876
 - 1) The on-the-job training record was not available in the records file, but the above individual was certified to PQCI-E-6.0 with no revision listed
- 4) D. W. GASKILL - 278-54-0575
 - 1) No revision number was listed on the on-the-job training record
- 5) B. D. HINES - 365-52-6895
 - 1) The title of the PQCI was not listed on the on-the-job training record

STONE AND WEBSTER ENGINEERING CORPORATION
 NONCONFORMANCE IDENTIFICATION REPORT

QCI 15.01
 Attachment 4.1
 Revision 2

PAGE 1 OF 1

DATE OF NONCONFORMANCE: SEPTEMBER 27, 1983		NIR NUMBER 005
<u>IDENTIFICATION/LOCATION OF ITEMS:</u>		
MPQAD - RECORDS FILE SECTION		
<u>DESCRIPTION OF NONCONFORMANCE:</u>		
A sample inspection of 6 of 45 MPQAD Personnel Training Records revealed that the Personnel Certification Form QA-116-1, Attachment D is not available in the record file as required by Procedure B-3M-1.		
<u>PERSONNEL</u>		
1) B. E. FREIMARK - 365-64-4818	4) D. W. GASKILL - 278-54-0575	
2) T. G. NELSON - 276-56-6857	5) B. D. HINES - 365-52-6895	
3) S. REVICH - 379-84-0876	6) J. R. ADOMOWSKI - 368-46-9164	
<u>Walter H. Sienkiewicz</u> INITIATOR		PROGRAM MGR <u>[Signature]</u>
DATE <u>September 27, 1983</u>		DATE <u>October 3, 1983</u>
CORRECTIVE ACTION BY: _____		
MPQAD		
IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION		
VERIFICATION SAT UNSAT INITIATOR _____ DATE _____	NEW NIR# DATE	<u>CONCURRENCE</u> PROGRAM MGR _____ DATE _____
REMARKS		



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

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

September 26, 1983
J.O. No. 14509
NRC File 83-09-26

RE: DOCKET NO. 50-329/330
MIDLAND PLANT - UNITS 1 AND 2
OVERVIEW OF THE CONSTRUCTION COMPLETION PROGRAM
REPORT NO. 15

A copy of the Construction Implementation Overview Report No. 15 for the period September 19, 1983 through September 23, 1983 is enclosed with this report. There were no scheduled Management CCP meetings during this reporting period. Evaluations of CCP activities and status of the CIO program development is attached.

Very truly yours,

S.W. Baranow
Program Manager

Enclosure

SWB/ka

cc: JHarrison, US NRC, Glen Ellyn, IL
RCook, US NRC Midland (site)
DBMiller Jr., CCo Midland (site)
RBKelly, S&W
APAmoruso, S&W
CORichardson, S&W

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Report No. 15

September 19, 1983 through September 23, 1983

Personnel on Site

Stone & Webster Michigan, Inc.

S. Baranow	R. Scallan	D. Cooke
J. Thompson	A. Smith	J. Seely
F. Bearham	J. Chawla	C. Larsen (temporary)
W. Sienkiewicz	R. Carpeggiani	J. Barr
J. Langston	R. Corson	

Bechtel Meetings

During this reporting period, CIO attended meetings conducted by Bechtel Power Company.

1. The daily staff management meeting is chaired by Mr. G. Hierzer, BPCo Site Manager and includes all the BPCo Senior Staff from the Construction Management, Superintendents, QA, MPQAD, Engineering, Design, Resident Engineer, Procedures, Training, Contracts, G.S.O. and Personnel Departments.

The generic topics for each meeting are Training, Procedures, NCR's, Sub-Contractors, Manpower Schedules, CP Concerns and CIO Concerns.

Training and procedure issue for CCP activities receive close scrutiny.

NCR's are monitored with special emphasis placed on timely processing, reworking to satisfy dispositions and reducing the backlog.

Also, NCR's of an abnormal or repetitious nature are selected for investigation for their probable cause and preventative action.

Specific topics discussed during the subject meeting are as followed:

- electronic data processing for CCP data, restraint CWPs etc.
- NRC audit of Zack Corporation
- housekeeping - protective covering removed and not replaced
- turnaround of design information from Ann Arbor
- non-manual personnel requirements
- progress of work to date
- actual or potential restraints and Hold Points

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MIDLAND NUCLEAR POWER PLANT
REPORT NO. 15
PAGE 2

2. The daily staff meeting is chaired by J. Reinsch and includes team leaders and support personnel from CPCo, BPCo and MPQAD.

The principal agenda is Team Management, performance progress, schedule, restraints, Training, plus any specific problems.

Specific problems addressed this week were:

- seismic analysis of control panel internals
- hydro testing schedule
- "Q" Hold Points
- training attendance

3. Attend group 1 System Review meeting on September 21, 1983

Attend group 2 System Review meeting on September 22, 1983

The purpose of these meetings is to discuss manpower, procedures, NCR's, progress, schedule, resources and restraints concerning the activities of BPCo Teams.

The meeting is chaired by the cognizant Superintendent and attended by Team Supervision and support including quality representative personnel. The principal subject discussed is any restraints to the schedule. This is discussed in great detail and actions are assigned to expedite progress. All aspects of team performance are monitored and decisions to improve same are made.

ACTIVITIES

1. Training

- A. CIO attended and evaluated a construction/craft training class on September 21, 1983.

CIO evaluation of the presentation was considered to be satisfactory and was in compliance with FPG 2.000 "Training of Construction Personnel."

Training subject:

Numbering Raceway Supports Reference FIE-3.320

Results of the evaluation have been documented on checklist Number MP-MIS-00IE and is available for review.

- B. Completed checklist attributes for (4) MPQAD personnel who have been trained to meet the requirements of PQCI PF-1.10 Rev. 4, "Pipe Flange Installation and Rework."

2. Zack - HVAC Activities

- completed checklist development of Zack Procedure, "Field Duct Leak Testing, Quality Related" MB-FP-9, Rev. 4
- completed checklist development of Zack Procedure, "Duct Qualification Testing, Quality Related" MB-FP-9B, Rev. 4

Open Action Items

1. June 14, 1983 Report No. 2

- (a) discussion of nonconforming items with Project Engineering

Project Engineering has scheduled to meet with CIO on September 28, 1983 to discuss nonconforming items

- (b) has a program been developed and responsibilities established of personnel assigned to process nonconformances?

Review of the Nutech procedures is continuing comments will be noted in Report No. 16

2. July 18, Report No. 5

- (a) CPCo has committed to develop a vendor equipment verification program

This item is not a restraint to Phase I activities, but must be resolved prior to commencing Phase II activities.

CIO has not been provided with the scheduled date of issue

GENERAL

1. Mr. W. Grieves, Supervisor Quality Systems Division, was on-site September 20, 1983 through September 23, 1983. A draft of QCI 15.02 Trend Analysis, has been developed which has been transmitted to Boston for review and comments.
2. Signed affidavits, with copies of resumes of the following Stone & Webster personnel have been transmitted to Mr. J. J. Harrison, US NRC, Glen, IL.
 - Mr. J. F. Seely, Inspection Supervisor (Mechanical - Pipe Supports) reported to job site September 19, 1983
 - Mr. R. R. Corson, Level III Auditor, Procurement Quality Assurance Division reported to job site September 20, 1983
3. A signed affidavit of Mr. R. G. Burns, Assistant Quality Assurance Manager, Boston has been transmitted to Mr. J. J. Harrison US NRC Glen Ellyn, IL. His resume will follow upon receipt from Boston.
4. A training/orientation session was conducted on September 23, 1983 for all CIO personnel.

Presentation subjects included: CIO Procedures, Operations and Policies. The orientation session included background information as well as technical and administrative requirements and practices. The duration of the session was three hours and a synopsis of the session is being placed in CIO files.

5. Matrix of open items is enclosed for information.

STATUS OF CIO PROGRAM DEVELOPMENT Week Ending: September 23, 1983

I. PQCI Activity
Checklist Development Status

	This Week	To Date 9-16-83	Total To 9-23-83
Applicable PQCI Recd.	0	69	69
PQCI -1st Draft	5	71	a) 76
Approval Cycle	2	69	b) 71
Typing	1	60	c) 61
Approved for Issue	1	35	d) 36
Issued	0	0	0
CN's	6	155	161
Rev.	3	42	45

- a) 66 Processed including 10 rewritten due to revisions
- b) 53 Processed including 18 rereviewed due to revisions
- c) 47 Processed including 14 retyped due to revisions
- d) 34 Processed * including 2 recycled due to revisions
- (* 33 ACLS approved and available as of this report date)

	This Week	To Date 9-16-83	Total To 9-23-83
II. MP-MIS**Activity MIS-Draft Cycle	2	40	a) 42
MIS-Approval Cycle	1	26	b) 27
MIS-Typing	0	23	c) 23
MIS-Approved for Issue	1	10	d) 11
MIS-Issued	0	2	2

- a) 38 Processed including 6 rewritten due to revisions
- b) 21 Processed including 6 rereviewed due to revisions
- c) 19 Processed including 4 retyped due to revisions
- d) 9 Processed including 2 recycled due to revisions

**MP-MIS are SW generated generic attribute checklists applicable to several PQCI's

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

Observation Number	Observations	Originating Document/Date	CPCo Response Document/Date	Status Open/Closed	Close-Out Document/Date
011	<p>MRC Meeting 6/1/83</p> <p>(a) discussion of nonconforming items with Project Engineering</p> <p>(b) has a program been developed and responsibilities established of personnel assigned to process non-conformances?</p>	<p>Report No. 2 6/14/83</p> <p>Report No. 2 6/14/83</p>		<p>Open C10 will meet with Project on 9/28/83</p> <p>Open pending review of Nutech Program</p>	
030	Need to review Vendor Equipment Verification Program-MPQAD/SMO	Report No. 5 7/18/83		Open	

Report No. 14

September 12, 1983 through September 16, 1983

Personnel on Site

Stone & Webster Michigan, Inc.

S. Baranow	J. Barr	G. Foley (temporary)
J. Thompson	R. Scallan	
F. Bearham	A. Smith	
W. Sienkiewicz	R. Carpeggiani	
J. Langston	D. Cooke	

Meetings Attended

1. During this reporting period, CIO attended daily meetings conducted by Bechtel Management to discuss the status of procedures and the readiness of teams to perform system statusing.

Discussion subjects included:

- status of teams in place to start QVP
- status of procedures required to start QVP
- status of construction training completed and of training yet to be completed

The meetings were chaired by Mr. G. Hierzer, BPCo Site Manager. Key Supervisory Bechtel personnel were in attendance. Representing CIO were J. Thompson and F. Bearham.

2. A meeting was held at the Bechtel Field Office on September 12, 1983 to discuss interfacing between Stone & Webster CIO, CPCo and Bechtel personnel.

Items of discussion were:

- CIO described the additional scope of work which included Zack HVAC and B&W activities
- assignment of a CIO representative to each team
- Bechtel agreement to arrange a meeting to introduce CIO Team Representatives to Team Supervisors to discuss policy methods and procedures
- primary contact/communication for the CIO representative will be the Team Supervisor

In attendance were:

CPCo

D. Johnson
B. Peck
D. Vogel

Bechtel

T. Valenzano
J. Reinsch
F. Haluska
S. Estlack

Stone & Webster

F. Bearham

3. A meeting was convened by J. Reinsch, Bechtel on September 15, 1983 for introductions of Team Supervisors to CIO Team Representatives. CIO personnel were introduced to the Team Supervisors by J. Thompson and F. Bearham. The CIO program was discussed under the following headings:

- 1) Aims - Purpose and Scope of CIO
- 2) Organization
- 3) Policy
- 4) Sampling Plans
- 5) Reporting Systems
- 6) Protocol
- 7) Future meetings

J. Reinsch concluded the meeting by stressing the importance of the CIO and requested full cooperation of Bechtel personnel with the CIO group.

ACTIVITIES

1. Training

A. CIO attended and evaluated construction/craft training classes on September 12, 1983, CIO evaluation of the presentations was considered to be satisfactory and was in compliance with FPG 2.000 "Training of Construction Personnel."

Training subjects were:

- 1) Area Construction Completion Activities, Reference FIG 7.410
- 2) Area Turnover, Reference FPT 3.000

Results of the evaluation have been documented on Checklist Number MP-MIS-001E and are available for review.

- B. Records of four (4) MPQAD personnel trained to meet the requirements of PQCI PF-1.10 Rev 4 "Pipe Flange Installation and Rework," were 100% reviewed. Computer entries were considered satisfactory.

2. Zack - HVAC Activities

During the period August 15, 1983 through September 12, 1983, CIO performed surveillance inspection of performance qualifications of 32 welders.

Bends tests of 13 welders were 100% witnessed by CIO and were determined to be satisfactory and in compliance with the Zack Welder Qualification Procedure MB-FP-18.

3. System Interaction Walkdown

Walkdowns were performed in the Diesel Generator Room No. 1 Elevation 634' in accordance with Procedure WTP-3-Q, "Procedure for Performing Walkdowns of SSIP/S Targets."

The CIO evaluation was performed utilizing attribute Checklist MP-MIS-WTP-3Q.

Seventeen (17) interactions were analyzed and documented, three (3) of which were witnessed by CIO.

Open Action Items

1. June 14, 1983 Report No. 2

- (a) discussion of nonconforming items with Project Engineering
- (b) has a program been developed and responsibilities established of personnel assigned to process nonconformances?

Copies of the Nutech procedures for the reconciliation of NCR's generated during the pipe hanger reinspection program, have been received by CIO on September 14, 1983 and are currently under review.

2. July 18, 1983 Report No. 5

CPCo has committed to develop a vendor equipment verification program.

This item is not a restraint to Phase I activities, but must be resolved prior to commencing Phase II activities.

CPCo is requested to provide CIO with a scheduled date of issue.

General

1. Mr. R. G. Burns, Assistant Quality Assurance Manager was on-site September 13, and September 14, 1983 to review revisions to Stone & Webster Quality Assurance Plan and the Third Party Construction Implementation Overview Procedure.
2. Mr. W. Grieves, Supervisor Quality System Division was on-site September 13, through September 16, 1983 and developed a Quality Control Instruction on the Sampling Technique.
3. Mr. R. Carpeggiani, Level III Auditor, Procurement Quality Control Division reported to the job site on September 13, 1983. His signed affidavit with a copy of his resume is being transmitted to Mr. J. J. Harrison US NRC, Glen Ellyn, IL.
4. The following are also being transmitted to Mr. J. J. Harrison, US NRC, Glen Ellyn, IL.
 - (a) signed affidavit and resume of A. P. Amoruso, Stone & Webster Project Manager
 - (b) resume of D. P. Cooke
5. Matrix of open items is enclosed for information.

STATUS OF CIO PROGRAM DEVELOPMENT

Week Ending: September 16, 1983

I. PQCI Activity
Checklist Development Status

	This Week	To Date 9-9-83	Total To 9-16-83
Applicable PQCI Recd	0	69	69
PQCI -1st Draft	2	69	a) 71
Approval Cycle	2	67	b) 69
Typing	0	60	c) 60
Approved for Issue	0	35	d) 35
Issued	0	0	0
CN's	17	138	155
Rev.	0	42	42

- a) 62 Processed including 9 rewritten due to revisions
- b) 52 Processed including 17 rewritten due to revisions
- c) 46 Processed including 14 retyped due to revisions
- d) 33 Processed * including 2 recycled due to revisions
- * 33 ACLS approved and available for use as of report date)

	This Week	To Date 9-9-83	Total To 9-16-83
II. MP-MIS **Activity MIS-Draft Cycle	4	36	a) 40
MIS-Approval Cycle	1	25	b) 26
MIS-Typing	0	23	c) 23
MIS-Approved for Issue	0	10	d) 10
MIS-Issued	0	2	2

- a) 36 Processed including 6 rewritten due to revisions
- b) 20 Processed including 6 rereviewed due to revisions
- c) 19 Processed including 4 retyped due to revisions
- d) 8 Processed including 2 recycled due to revision

** MP-MIS are SW generated generic attribute checklists applicable to several PQCI's

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

Observation Number	Observations	Originating Document/Date	CPCo Response Document/Date	Status (Open/Closed)	Close-Out Document/Date
011	MRC Meeting 6/1/83 (a) discussion of nonconforming items with Project Engineering (b) has a program been developed and responsibilities established of personnel assigned to process non-conformances?	Report No. 2 6/14/83 Report No. 2 6/14/83		Open Open pending review of Nutech Program	
030	Need to review Vendor Equipment Verification Program-NPOAD/SMD	Report No. 5 7/18/83		Open	

Report No. 13

September 5, 1983 through September 9, 1983

Personnel on Site

Stone & Webster Michigan, Inc.

S. Baranow	J. Langston
J. Thompson	R. Scallan
F. Bearham	J. Barr
W. Sienkiewicz	G. Foley (temporary)

Meetings Attended

CIO personnel, J. Thompson and F. Bearham attended two (2) daily meetings conducted by Bechtel Management. Purpose of the meetings centered upon the status of procedures and the readiness of teams to perform system statusing. The meetings were chaired by Mr. G. Hierzer, BPCo Site Manager. Key supervisory Bechtel personnel were in attendance.

ACTIVITIES

1. Training

- A. CIO attended and evaluated a construction training class on September 9, 1983. The evaluation of the presentations of the training session was considered to be satisfactory and was in compliance with FPG 2.000 "Training of Construction Personnel."

Training subjects were:

- 1) Nuclear Quality Assurance Manual
- 2) Bechtel Quality Assurance Manual

Results of the evaluation have been documented on Checklist Number MP-MIS-001E and are available for review.

- B. Computer records for certification of 4 MPQAD personnel trained to meet the requirements of PQCI PW-1.00, Rev. 7 Fabrication/Welding/Heat Treatment and NDE, ASME III Piping were reviewed by CIO.

The requirements of Military Standard 105D "Sampling Procedures and Tables for Inspection by Attributes" as described in the Stone & Webster Quality Assurance Directive (QAD) 7.11 were utilized.

The following method was employed:

- a) 16 attributes were selected from three computer printouts
- b) 13 MPQAD personnel completed training and were certified, meeting the requirements of PQCI PW-1.00
- c) lot size $16 \times 13 = 208$
- d) Sample size - 50
- e) accept lot with 1 unsat
- f) reject lot with 2 unsats

Utilizing Table of Random Numbers, the first, fourth, fifth and eighth names appearing on the printout were selected for review.

Training records of the four MPQAD personnel were 100% reviewed and documented on Checklist Number MP-MIS-018E.

With no unsatisfactory conditions observed, the certification records of the 13 MPQAD personnel were considered to be satisfactory and acceptable.

2. Zack HVAC

CIO performed surveillance inspection of the following Zack HVAC activities:

- witnessed performance qualifications of 5 welders on A-36 3/8" thick plate
- witnessed face and root bend tests of two welders
 - 1-welder passed the bend tests
 - 1-welder failed the bend tests and was terminated

Open Action Items

1. June 14, 1983 Report No. 2

- (a) discussion of nonconforming items with Project Engineering
- (b) has a program been developed and responsibilities established of personnel assigned to process nonconformances?

With respect to the above items, CIO met with Mr. G. Sanders, Engineering Manager/ Project Manager of Nutech who advised that the program was available for our review. CIO requested that the program be formally transmitted by Project Engineering for CIO review.

JOB NO. 14509
MIDLAND NUCLEAR POWER PLANT
REPORT NO. 12
PAGE 3

2. CPGCo has committed to develop a vendor equipment verification program. This item is not a restraint to Phase I activities, but must be resolved prior to commencement of Phase II activities.

General

1. Mr. D. Cooke, Senior Inspector, Electrical, reported to the job site on September 12, 1983. His signed affidavit is being transmitted to Mr. J. J. Harrison US NRC, Glen Ellyn, IL. His resume will follow upon receipt from Boston.

Four additional personnel are scheduled for assignment during the month.

2. Matrix of Open Items is enclosed for information.

STATUS OF CIO PROGRAM DEVELOPMENT

Week Ending: September 9, 1983

I. PQCI Activity
Checklist Development Status

	This Week	To Date 9-2-83	Total To 9-9-83
Applicable PQCI Recd	0	69	69
PQCI -1st Draft	5	64	a) 69
Approval Cycle	3	67	b) 70
Typing	10	60	c) 70
Approved for Issue	4	35	d) 35
Issued	0	0	0
CN's	29	109	138
Rev.	0	42	42

- a) 60 Processed including 9 rewritten due to revisions
- b) 51 Processed including 16 rereviewed due to revisions
- c) 46 Processed including 14 retyped due to revisions
- d) 33 Processed including 2 recycled due to revisions

II. MP-MIS Activity	This Week	To Date 9-2-83	Total To 9-9-83
MIS-Draft Cycle	0	36	a) 36
MIS-Approval Cycle	2	25	b) 27
MIS-Typing	0	23	c) 23
MIS-Approved for Issue	0	10	d) 10
MIS-Issued	0	2	2

- a) 30 Processed including 6 rewritten due to revisions
- b) 19 Processed including 6 rereviewed due to revisions
- c) 19 Processed including 4 retyped due to revisions
- d) 8 Processed including 2 recycled due to revisions

* MP-MIS are SW or generated generic attribute checklists applicable to several PQCI's

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

Observation Number	Observations	Originating Document/Date	CPCo Response Document/Date	Status Open/Closed	Close-Out Document/Date
011	<p>MRC Meeting 6/1/83</p> <p>(a) discussion of nonconforming items with Project Engineering</p> <p>(b) has a program been developed and responsibilities established of personnel assigned to process nonconformances?</p>	Report No. 2 6/14/83		Open pending receipt of Nutech Program	
030	Develop Vendor Equipment Verification Program-MPQAD/SMO	Report No. 5 7/18/83		Open	



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

PRINCIPAL STAFF	
RA	ENF
D/RA	SCS
A/RA	PAO
DRP	SLO
DRMA	RC
DRMSP	
DE	
ML	
OL	FILE

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

September 6, 1983
 J. O. No. 14509
 NRC File 83-09-06

RE: DOCKET NO. 50-329/330
 MIDLAND PLANT - UNITS 1 AND 2
 OVERVIEW OF THE CONSTRUCTION COMPLETION PROGRAM
 REPORT NO. 12

A copy of the Construction Implementation Overview Report No. 12 for the period August 29, 1983 through September 2, 1983 is enclosed with this letter. There were no scheduled Management CCP meetings during this period. Evaluations of CCP activities and status of CIO program development is attached.

Very truly yours,

S.W. Baranow
 Program Manager

Enclosure

SWB/ka

cc: JHarrison, US NRC, Glen Ellyn, IL
 RCook, US NRC Midland (site)
 DBMiller Jr., CPCo Midland (site)
 RBKelly, S&W
 APAmoruso, S&W
 CORichardson, S&W

~~8-10170-567~~

SEP 9 1983

Report No. 12

August 29, 1983 through September 2, 1983

Personnel on Site

Stone & Webster Michigan, Inc.

S. Baranow	A. Smith
J. Thompson	J. Barr
W. Sienkiewicz	J. Langston
R. Scallan	C. Larsen (temporary)

ACTIVITIES

1. Training

CIO attended and evaluated construction training classes conducted on August 29, 30 and 31, 1983. The evaluation of the training was considered to be satisfactory and was in compliance with the requirements of FPG 2.000 "Training of Construction Personnel."

Training Subjects were:

- (a) Piping Class Sheets and Piping Class Summary Sheets - Dwg M480 and M481
- (b) Installation and Rework of Electrical Raceway and Supports
- (c) Construction Testing Program
- (d) Processing Field Change Requests and Field Change Notices

References:

FPD 2.000-Field Change Requests/Field Change Notices
FID 2.100-Outstanding Field Change Requests and Field Change Notices,
Retirement
Specification G-34-Field Change Notices

Results of the evaluation have been documented on Checklist Number MP-MIS-001E and are available for review.

Training records of two (2) MPQAD personnel were checked against the computer printout to verify current certifications and inspection levels. Verification of the records were considered to be satisfactory.

2. CIO performed surveillance inspection of the following Zack HVAC activities:

- witnessed bend tests of 3 welders - results were satisfactory
- reviewed receipt and issuance procedure for special stock material. Material conforms to and was issued to the requirements of MB-FP-18, Welder Performance Qualification, Rev. 2

Closed Action Items

1. Letter of June 30, 1983: the following items were addressed in CPCo letter dated August 9, 1983.
 - audit responses should not be readdressed
 - observations by the Review Team should be submitted in advance of meetings
 - restraints require expeditious resolutions

The responses were considered adequate - these items are closed.

1. July 25, 1983 Report No. 6

Concern Item 2 - "Material traceability of installed hangers. (E3)"

Response: CIO received a letter from H.P. Leonard dated August 18, 1983 with three attached memos indicating that MPQAD had completed a review of material traceability procedures with particular emphasis on pipe hangers and supports, structural materials, piping and weld filler material.

This review was conducted under the direction of M.L. Curland, Principal Quality Advisor for MPQAD. As a result of this investigation, MPQAD has concluded that the systems in use for material identification and control do provide for compliance with ASME code requirements and to CFR 50, Appendix B requirements of preventing the use of incorrect material.

Conclusion: This letter with attachments satisfies the documentation request noted in Report No. 6, CIO agrees with the results of the above review and the item can be closed.

Open Action Item

1. June 14, 1983 Report No. 2
 - (a) discussion of nonconforming items with Project Engineering
 - (b) has a program been developed and responsibilities established of personnel assigned to process nonconformances?

These items remain open pending discussion with Project Engineering and receipt of the Nutech program.

JOB NO. 14509
MIDLAND NUCLEAR POWER PLANT
REPORT NO. 12
PAGE 3

General

1. Mr. A.P. Amoruso, Project Manager, Stone & Webster, Michigan, Inc. was on-site August 24 through August 26, 1983 to review the status of program development and to discuss staffing and commitments to the US NRC.
2. A matrix of all observations noted by CIO is enclosed indicating closed/open status. Future reports will list only those items which remain open. Arrangements have been made with CPCo for the use of their computer facilities for tracking of CIO observations.

STATUS OF CIO PROGRAM DEVELOPMENT Week Ending: September 2, 1983

I. PQCI Activity
Checklist Development Status

	This Week	To Date 8-26-83	Total To 9-2-83
Applicable PQCI Recd	0	69	69
PQCI -1st Draft	5	64	a) 69
Approval Cycle	2	65	b) 67
Typing	1	59	c) 60
Approved for Issue	0	35	d) 35
Issued	0	0	0
CN's	29	109	138
Rev.	0	42	42

- a) 60 Processed including 9 rewritten due to revisions
- b) 51 Processed including 16 rereviewed due to revisions
- c) 46 Processed including 14 retyped due to revisions
- d) 33 Processed including 2 recycled due to revisions

II. MP-MIS Activity	This Week	To Date 8-26-83	Total To 9-2-83
MIS-Draft Cycle	0	36	a) 36
MIS-Approval Cycle	0	25	b) 25
MIS-Typing	0	23	c) 23
MIS-Approved for Issue	0	10	d) 10
MIS-Issued	0	2	2

- a) 30 Processed including 6 rewritten due to revisions
- b) 19 Processed including 6 rereviewed due to revisions
- c) 19 Processed including 4 retyped due to revisions
- d) 8 Processed including 2 recycled due to revisions

* MP-MIS are SW or generated generic attribute checklists applicable to several PQCI's

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

Observation Number	Observations	Originating Document/Date	CPCo Response Document/Date	Status Open/Closed	Close-Out Document/Date
001	MRC Meeting 5/18/83 SUBTITLE AND OBJECTIVES OF CCP Provide details: (a) to improve project information status (b) to improve implementation of the QA program	Letter-minutes of meeting of 5/18/83	Letter 7/1/83	Closed	Report No. 4 7/12/83
002	MRC Meeting 5/18/83 Status of BHO PILOT TEAM (a) are procedures for statusing approved (b) provide results of preliminary hanger walkdowns	Letter-minutes of meeting of 5/18/83	Letter 7/1/83	Closed	Report No. 4 7/12/83
003	MRC Meeting 5/18/83 HANGER TEAM ENGINEERS (a) how are NCR's processed and evaluated	Letter-minutes of meeting of 5/18/83	Letter 7/1/83	Closed	Report No. 4 7/12/83
004	MRC Meeting 5/18/83 HANGER TEAM QUALITY REPRESENTATIVE (a) clarification on Q-Non Q interface	Letter-minutes of meeting of 5/18/83	Letter 7/1/83	Closed	Report No. 4 7/12/83
005	MRC Meeting 5/18/83 PROCEDURES/INSPECTIONS (a) provide objective evidence that listing of procedures, specifications and drawings are complete	Letter-minutes of meeting of 5/18/83	Letter 7/1/83	Closed	Report No. 4 7/12/83

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

Observation Number	Observations	Originating Document/Date	CPCo Response Document/Date	Status Open/Closed	Close-Out Document/Date
006	MRC Meeting 5/5/83 Program (Training) requires revision to address how "Trainers" are trained	Report No. 1 6/3/83	Letter 7/1/83	Closed	Report No. 5 7/18/83
007	Method of communication/notification with MPQAD when PQCI's are found to be ambiguous or do not meet code requirements	Report No. 1 6/3/83	Letter 7/1/83	Closed	Report No. 4 7/12/83
008	MRC Meeting 6/1/83 Adequacy of drawings (A8) - large bore pipe hangers Hold Point Released 8/15/83	Report No. 2 6/14/83	Letters 7/1/83 8/9/83	Closed	Report No. 9 8/15/83
009	MRC Meeting 6/1/83 Additional verification of equipment received and installed (E-2)	Report No. 2 6/14/83	Letters 7/1/83 8/9/83	Closed	Report No. 9 8/15/83
010	MRC Meeting 6/1/83 Material traceability of installed hangers (E3) Hold Point Released 8/15/83	Report No. 2 6/14/83	Letters 7/1/83 8/9/83	Closed	Report No. 9 8/15/83
011	MRC Meeting 6/1/83 (a) discussion of nonconforming items with Project Engineering (b) has a program been developed and responsibilities established of personnel assigned to process nonconformances? NOTE: Hold Point Released 8/15/83	Report No. 2 6/14/83		Open pending receipt of Nutech Program	

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

Observation Number	Observations	Originating Document/Date	CPCo Response Document/Date	Status Open/Closed	Close-Out Document/Date
012	MRC Meeting 6/1/83 Identification of QVP related commitments	Report No. 2 6/14/83	Letter 7/1/83	Closed	Report No. 9 8/15/83
013	MRC Meeting 6/1/83 Would a critical path Level II network be issued?	Report No. 2 6/14/83	Response given at meeting	Closed	Report No. 2 6/14/83
014	MRC Meeting 6/1/83 Are job descriptions and responsibilities of CPCo personnel engaged to implement the QVP available?	Report No. 2 6/14/83	Letter 7/1/83	Closed	Report No. 5
015	Inspection attributes do not lend themselves to the title of the PQCI "In-Process"-----	Report No. 2 6/14/83	PQCI P-1.60 Rev 7 8/9/83	Closed	Report No. 8 8/8/83
016	Clarification of paragraph 1 under "Special Instructions" PQCI P-1.60	Report No. 2 6/14/83	PQCI P-1.60 Rev 7 8/9/83	Closed	Report No. 8 8/8/83
017	System Interaction Walkdown Program not reviewed by Region III NRC nor the NRR	Report No. 2 6/14/83	Response by D. Miller during meeting 6/14/83	Closed	Report No. 2 6/14/83
018	MRC Meeting 6/17/83 Matrix of CPCo commitments to the NRC should be complete	Letter 6/17/83	Letter 7/1/83	Closed	Report No. 6 7/25/83

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

Observation Number	Observations	Originating Document/Date	CPCo Response Document/Date	Status Open/Closed	Close-Out Document/Date
019	MRC Meeting 6/17/83 The 14 required to resolve Management Review Team Observations should be reviewed and approved	Letter 6/17/83	Letter 7/1/83	Closed	Report No. 6 7/18/83
020	MRC Meeting 6/23/83 Audit responses should not be readdressed	Letter 6/28/83	Letter 8/9/83	Closed	Report No. 12 9/6/83
021	MRC Meeting 6/23/83 Observations by Review Team should be submitted in advance of meetings	Letter 6/30/83	Letter 8/9/83	Closed	Report No. 12 9/6/83
022	MRC Meeting 6/23/83 Restraints require expeditious resolutions	Letter 6/30/83	Letter 8/9/83	Closed	Report No. 12 9/6/83
023	Concerns regarding methods of evaluating construction training courses	Report No. 3 6/28/83	Letter 7/1/83	Closed	Report No. 5 7/18/83
024	MRC to convene to confirm or modify recommendations of R. A. Wells memo of 6/7/83 Serial 2284B	Report No. 5 7/18/83	Letter-J. Cook to J. Rutgers 7/13/83	Closed	Report No. 9 8/15/83

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

Observation Number	Observations	Originating Document/Date	CPCo Response Document/Date	Status Open/Closed	Close-Out Document/Date
025	Ten course rosters unsatisfactory due to transcription errors and improperly filled out.	Report No. 7 8/1/83	Telecon on 8/25/83 that corrections have been made	Closed	Report No. 11 8/29/83 Reverified Daily Inspection Report 8/25/83
026	14 discrepancies-Construction Training matrix vs. Computer Printout	Report No. 8 8/8/83	Telecon 8/22/83 Reverified- one deficiency NIR 001 issued	Closed	Report No. 9 8/15/83 Daily Inspection Reports 8/22/83
027	NIR 001 dispositioned and issued as closed by C10	Report No. 9 8/15/83	N/A	Closed	C10 Closeout 8/15/83
028	13 discrepancies-Construction Training matrix vs. Computer Printout	Report No. 9 8/15/83	Memo from Training Coordinator 8/18/83	Closed	Report No. 10 Daily Inspection Report 8/18/83
029	Duplication of welding criteria in various PQCI's	Report No. 9 8/15/83	Telecon with R. Davis MPQAD 8/26/83	Closed	Report No. 11 8/29/83



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

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

August 29, 1983
J.O. No. 14509
NRC File #83-08-29

RE: DOCKET NO. 50-329/330
MIDLAND PLANT - UNITS 1 AND 2
OVERVIEW OF THE CONSTRUCTION COMPLETION PROGRAM
REPORT NO. 11

A copy of the Construction Implementation Overview Report No. 11 for the period August 22, 1983 thru August 26, 1983 is enclosed with this letter. There were no scheduled Management CCP meetings during this reporting period. Evaluations of CCP activities and status of CIO program development is attached.

Very truly yours,

S.W. Baranow
Program Manager

Enclosure

SWB/ka

cc: JHarrison, US NRC, Glen Ellyn, IL
RCook, US NRC Midland (site)
DMiller Jr., CPCo Midland (site)
RBKelly, S&W
APAmoruso, S&W
CORichardson, S&W

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Report No. 11

August 22, 1983 through August 26, 1983

Personnel on Site

Stone & Webster Michigan, Inc.

S. Baranow	A. Smith
J. Thompson	R. Scallan
F. Bearham	J. Barr
W. Sienkiewicz	C. Larsen (temporary)

Meetings Attended

Stone & Webster Michigan, Inc. attended a meeting with the US NRC and the public to present and discuss the Stone & Webster Independent Third Party Overview of the Construction Completion Program. The meeting was held at 10:00 A.M., August 25, 1983 at the Quality Inn, Midland, Michigan.

ACTIVITIES

1. Training

CIO attended and evaluated a training session on August 25, 1983. The evaluation of the training was considered to be satisfactory and was in compliance with the requirements of FPG-2.000 "Training of Construction Personnel."

The subject matter of the training session was:

"Cable Packaging and Pull Documentation Process, Cable Rework, Installation and Rework of Electrical Cable: FPE-9.700, FPE-9.300 and FPE-4.00."

Results of the evaluation have been documented on Checklist Number MP-MIS-001E and are available for review.

2. Review of training records for Bulk Hanger Organization Team #31 is continuing for:

- compliance to matrix requirements
- completed training to specific documents
- proper identification of personnel of course rosters vs. computer printout

3. Records for MPQAD Inspector training are being reviewed to verify the current certifications and inspection levels of MPQAD personnel.

4. Records of five (5) MPQAD personnel involving the following PQCI's are being evaluated.

<u>PQCI N°</u>	<u>REV. N°</u>	<u>TITLE</u>
C - 1.10	15	Inspection of Grouting and Dry Packing
C - 1.31	5	Concrete Preplacement and Placement Inspections
C - 1.40	10	Concrete Postplacement Inspection
C - 1.60	7	Concrete Drilling and Cutting Reinforcing Steel
C - 1.81	3	Installation of Concrete Unit Masonry
C - 2.10	11	Structural Steel Erection
C - 2.20	6	Field Fabrication of Misc. Steel
C - 5.10	9	Installation of Shear Connectors
C - 6.00	8	Mechanical Splicing of Reinforcing Bars
C - 8.5	13	Inspection of Surface Preparation, Application, Touch-up and Repair of Coating
CW - 1.00	5	Welding and Non-destructive Examination of Q-Listed Non-ASME Items
E - 1.2	0	Installation of Conduit/Box Supports
E - 2.0	12	Installation of Cable Tray and Wireway
PF - 1.10	3	Pipe Flange Installation and Rework
T - 1.00	10	Hydrostatic and Pneumatic Leak Testing

5. CIO performed surveillance inspection of the following Zack HVAC activities.

- witnessing of qualifications of welders
- verified calibrations were current for ammeters, numbers 2090, 2091, 2094, and 2103. Verification was satisfactory.
- verified that weld coupons were properly color coded, segregated by size and properly identified.

It was determined that the above listed activities were in compliance with Zack welding Procedure 2-1-2. Results of the surveillance have been documented on Checklist N° MP-MIS-Z017.

6. Receipt and control of A-36 plate, 3/8" thickness, used for welder qualification was found to be in compliance with MB-FP-18 Welder Performance Qualification, Rev. 2.

Closed Action Items

1. Concern - Report N° 7, August 1, 1983

"Ten course rosters were determined to be unsatisfactory due to transcription errors and were improperly filled out."

Resolution: The ten corrected course rosters were received, reviewed by CIO and were determined to be satisfactory.

2. Concern - Report N° 9, August 15, 1983

CIO identified to MPQAD a potential problem area. Welding criteria are duplicated in PQCI's. The potential exists that if a PQCI is revised, then all other PQCI's which repeat the information may not be revised, and, as a result, inspections could conceivably be performed to superseded data. A meeting has been scheduled for week of August 15, 1983 with MPQAD.

Resolution: MPQAD has acknowledged our concerns and shall take the following actions:

1. MPQAD will revise PQCI CW-1.00 to remove reference to fillet or partial penetration welding of electrical or instrument equipment. PQCI CW-1.00 will be used hereafter for all building structural welding and full penetration groove welding of electrical and instrument equipment applications.
2. All electrical and instrument PQCI's will still retain welding attributes for fillet and partial penetration welding only.
3. All electrical and instrument PQCI's will have a statement in the general instructions directing that in the event a full penetration groove weld is required, they shall interface PQCI CW-1.00 for inspections of those joints.
4. MPQAD will request a Specification Change Notice to Technical Specification C-304 from Project Engineering to state "For electrical and instrument support full penetration welds, use the criteria given in paragraph 6.2 of C-304." (Paragraph 6.2 identifies the acceptance criteria for building structural welding.)

This item is closed.

General

A presentation of the Construction Implementation Overview Program was given by Stone & Webster, Boston, to CPCo Management (J.Cook, R. Miller, R. Lee and R. Wells) on August 24, 1983.

STATUS OF CIO PROGRAM DEVELOPMENT Week Ending: August 26, 1983

I. POCI Activity
Checklist Development Status

	This Week	To Date 8-19-83	Total To 8-26-83
Applicable POCI Recd	1	68	69
POCI -1st Draft	2	62	a) 64
Approval Cycle	0	65	b) 65
Typing	0	59	c) 59
Approved for Issue	1	34	d) 35
Issued	0	0	0
CN's	6	103	109
Rev.	3	39	42

- a) 58 Actual - 6 Rewrites due to revisions
- b) 51 Actual - 14 Rewritten due to revisions and change notices
- c) 46 Actual - 13 Retypes due to revisions and change notices
- d) 33 Actual - 2 Reprocessed and reapproved due to revisions

II. MP-MIS Activity	This Week	To Date 8-19-83	Total To 8-26-83
MIS-Draft Cycle	14	22	a) 36
MIS-Approval Cycle	1	24	b) 25
MIS-Typing	1	22	c) 23
MIS-Approved for Issue	3	7	d) 10
MIS-Issued	1	1	2

- a) 30 Actual - 6 Rewritten
- b) 19 Actual - 6 Rereviewed
- c) 19 Actual - 4 Retyped
- d) 8 Actual - 2 Reprocessed and reapproved because of revisions



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

PRINCIPAL STAFF	
RA	<input checked="" type="checkbox"/>
D/RA	<input checked="" type="checkbox"/>
A/RA	<input type="checkbox"/>
DPRP	<input type="checkbox"/>
DRNA	<input type="checkbox"/>
DRMSF	<input type="checkbox"/>
DE	<input type="checkbox"/>
ML	<input type="checkbox"/>
OL	<input checked="" type="checkbox"/> FILE

enc 3

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

August 22, 1983
 J. O. No. 14509
 NRC File # 83-08-22

RE: DOCKET NO. 50-329/330
 MIDLAND PLANT - UNITS 1 AND 2
 OVERVIEW OF THE CONSTRUCTION COMPLETION PROGRAM
 REPORT NO. 10

A copy of the Construction Implementation Overview Report No. 10 for the period of August 15, 1983 through August 19, 1983 is enclosed with this letter. There were no scheduled Management CCP meetings during this reporting period. Evaluations performed of the CCP and status of CIO program development is attached.

Very truly yours,

S.W. Baranow
 S.W. Baranow
 Program Manager

Enclosure

SWB/pd

- cc: JJ Harrison US NRC Glen Ellyn, Il
- RCook, US NRC Midland (Site)
- D.B. Miller Jr CCo Midland (Site)
- R.B. Kelly S & W
- C.O. Richardson S & W
- A.P. Amoruso S & W

AUG 26 1983

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Report No. 10

August 15, 1983 through August 19, 1983

Personnel on Site

Stone & Webster Michigan, Inc.

S. Baranow	R. Scallan
J. Thompson	A. Smith
F. Bearham	J. Chawla
J. Barr	G. Foley (temporary)

Meetings Attended

CIO attended a meeting with MPQAD to discuss concerns of duplicated welding criteria found in many PQCI's. MPQAD will review the applicable PQCI's and will respond to our concerns, week of August 22, 1983.

Present at the meetings were Mssrs Parker, Davis and McLean of MPQAD and J. Thompson, A. Smith of CIO.

ACTIVITIES

Training

1. Review of training records for Bulk Hanger Organization Team No. 31 is continuing for;

- * compliance to matrix requirements
- * completed training to specific documents
- * proper identification of personnel as course rosters vs. computer printout

2. Eleven of the thirteen areas of discrepancies, training matrix vs. computer printout, noted in our Report No. 9, paragraph 3 page 2, have been corrected. Causes of discrepancies listed one member of Team 31 as a Lead Mechanical Engineer who has been reassigned as a Lead Field Engineer. The codes for training received for LFE are correct.

Two discrepancies were the result of computer error. The printout has been corrected. This item is closed out.

3. NIR # 001, copy attached, has been dispositioned and issued as closed. Corrective action was completed on August 15, per attached training record.

4. System Interaction Walkdown of the Auxiliary Building is continuing in accordance with procedure WIP-3-Q, " Procedure for Performing Walkdowns of SSIP/S Targets.

The CIO evaluation was performed utilizing attribute checklist MP-MIS-WTP-3-Q

Twelve (12) interactions were analyzed and documented, five (5) of which were witnessed by CIO.

5. CIO performed surveillance inspection of the following Zack HVAC activities.

- * Performance qualifications of 13 welders.
- * Witnessed bend tests of 3 welders, results were satisfactory.

It was determined that the above listed activities were in compliance with Zack Welding Procedure 2-1-2. Results of the surveillance have been documented on Checklist No. MP-MIS-Z017

Open Items

1. Report No. 7 August 1, 1983 page 1 " Ten course rosters were determined to be unsatisfactory due to transcription errors and improperly filled out." Resolution-Response has not yet been received from the Training Coordinator.

General

To simplify and facilitate tracking of CIO observations, a Matrix of the observations will be utilized, sample attached. All CIO reports will be reviewed and observations will be sequentially numbered starting with the number one (1).

STATUS OF CIO PROGRAM DEVELOPMENT

I. POCI Activity
Checklist Development Status

	This Week	To Date 8-12-83	Total To 8-19-83
Applicable POCI Recd	0	68	68
POCI -1st Draft	0	62	a) 62
Approval Cycle	0	65	b) 65
Typing	2	57	c) 59
Approved for Issue	0	34	d) 34
Issued	0	0	0
CN's	4	99	103
Rev.	1	38	39

- a) 56 Actual - 6 Rewrites due to revisions
- b) 51 Actual -16 Rewritten due to revisions and change notices
- c) 46 Actual -13 Retyes due to revisions and change notices
- d) 32 Actual - 2 Reprocessed and reapproved due to revisions

II. MP-MIS Activity	This Week	To Date 8-12-83	Total To 8-19-83
MIS-Draft Cycle	1	21	a) 22
MIS-Approval Cycle	3	21	b) 24
MIS-Typing	5	17	c) 22
MIS-Approved for Issue	0	7	d) 7
MIS-Issued	0	1	1

- a) 15 Actual - 6 Rewritten
- b) 18 Actual - 6 Rereviewed
- c) 18 Actual - 4 Retyped
- d) 5 Actual - 2 Reprocessed and reapproved

STONE AND WEBSTER ENGINEERING CORPORATION
NONCONFORMANCE IDENTIFICATION REPORT

QCI 15.01
Attachment 4.1
Revision 2

DATE OF NONCONFORMANCE: August 9, 1983		NIR NUMBER <u>001</u>
IDENTIFICATION/LOCATION OF ITEMS: CONSTRUCTION TRAINING RECORDS FOR AG-C.900		
DESCRIPTION OF NONCONFORMANCE: Computer records show LSE Roger Guard as trained to Code 3. Training Matrix require's training to Code 3. Actual Training Records show Code 2.		
INITIATOR <u>A. Buchanan</u>		PROGRAM MGR <u>Subramaniam</u>
DATE <u>8/17/83</u>		DATE <u>August 17, 1983</u>
CORRECTIVE ACTION BY: <u>BECHTEL TRAINING COORDINATOR</u> IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION		
A construction training record for Mr. Guard was completed on August 15, 1983, copy attached. No further action required. The checked box on the construction training record is consistent with code 3 Training required by FPG 2.000 Paragraph 5.2.		
VERIFICATION <input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	NEW NIR#	CONCURRENCE
INITIATOR <u>A. Buchanan</u>	DATE <u>N/A</u>	PROGRAM MGR <u>Subramaniam</u>
DATE <u>8/17/83</u>		DATE <u>August 17, 1983</u>
REMARKS		

CONSTRUCTION TRAINING RECORD

NAME ROGER L. GUARD DATE AUG. 15, 1983

DEPARTMENT BULK HANGER TEAM # 30

ASSIGNMENT LEAD TEAM SUPPORT ENGINEER

CHECK THE APPROPRIATE BOX (ONE BOX ONLY)

SIGNATURES REQUIRED

COMPLETED READING

EMPLOYEE & SUPERVISOR

COMPLETED READING AND REVIEW WITH SUPERVISOR

EMPLOYEE & SUPERVISOR

COMPLETED TRAINING

EMPLOYEE, SUPERVISOR, & TRAINER

EXEMPT FROM TRAINING DUE TO PRIOR WORK EXPERIENCE (NOTE #1)

EMPLOYEE, SUPERVISOR & CPCO-SMO

DOCUMENT TITLE

DOCUMENT TITLE

AG C - 9.00

CONTROLLED ACCESS

REVISION 2 5-9-83

SIGNATURES

DATE

1. EMPLOYEE Roger L. Guard Aug 15, 1983

2. SUPERVISOR Edward Chittos 8/15/83

3. TRAINER _____

4. CPCO-SMO _____

NOTE #1 EXEMPTION REQUESTS MUST BE SUPPORTED BY DOCUMENTATION OF WORK RELATED EXPERIENCE ON THE REVERSE SIDE OF THIS FORM. REVIEW OF REQUESTS FOR EXEMPTION, WITH SUPPORTING DOCUMENTATION, WILL BE THE RESPONSIBILITY OF THE TRAINING COORDINATOR. HE WILL SECURE THE

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

Observation Number	Observations	Originating Document/Date	CPCo Response Document/Date	Status Open/Closed	Close-Out Document/Date



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

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

August 15, 1983
J.O. No. 14509

NRC File #83-08-15

RE: DOCKET NO. 50-329/330
MIDLAND PLANT - UNITS 1 AND 2
OVERVIEW OF THE CONSTRUCTION COMPLETION PROGRAM
REPORT NO. 9

A copy of the Construction Implementation Overview Report No. 9 for the period August 5, 1983 through August 12, 1983 is enclosed with this letter. There were no scheduled Management CCP meetings during this reporting period. Evaluations performed of the CCP and status of CIO program development is attached.

Very truly yours,

S.W. Baranow
Program Manager

Enclosure

SWB/ka

cc: JHarrison, US NRC Glen Ellyn, IL
RCook, US NRC Midland (site)
DMiller Jr., CCo Midland (site)
RBKelly, S&W
APAmoruso, S&W
CRRichardson, S&W

AUG 16 1983

8310170610

bpp

Report No. 9

August 5, 1983 through August 12, 1983

Personnel on Site

Stone & Webster Michigan, Inc.

S. Baranow	R. Scallan
J. Thompson	J. Langston
F. Bearham	A. Smith
W. Sienkiewicz	J. Chawla
J. Barr	G. Foley (temporary)

Meetings Attended

- August 11, 1983 AM - Presentation for approval of the CCP by the US NRC to the Government Accountability Project and Lone Tree Council.
- August 11, 1983 PM - Presentation for approval of the CCP by the US NRC to the Public
- August 12, 1983 - Discussion of findings of the SALP report July 1, 1981 - March 31, 1983 with CPCo and Lone Tree Council.

ACTIVITIES

Training

1. - CIO attended and evaluated a training session on August 11, 1983. The evaluation was determined to be satisfactory and was in compliance with the requirements of FPG 4.00 "Training Evaluation Team Organization and Responsibilities."

The subject matter of the training session was:

Inventory Control, FPG 4.00 Rev. 4

Results of the evaluation have been documented on Checklist No. MP-MIS-001E and are available for review.

2. Review of training records for Bulk Hanger Organization Team No. 31 is continuing for;
 - compliance to matrix requirements
 - completed training to specific documents
 - proper identification of personnel as course rosters vs. computer printout

3. Thirteen areas of discrepancies were observed where the required training identification as noted in the training matrix did not agree with the computer printout, i.e., required code per training matrix is 3 - computer printout lists 2.
4. The fourteen areas of discrepancies, code training identification vs. computer printout, noted in our Report No. 8 covering 3 members of BHO Team #30, have been corrected with the exception of one discrepancy. Causes of discrepancies (11) listed a member on an assignment matrix as a Mechanical Field Engineer where in fact, he should have been listed as a Lead Field Engineer. The computer printout was corrected to agree with the training matrix for two discrepancies of two members. Training records were reviewed and were found to be compatible with the computer printout and the training matrix.

The one open discrepancy lists a member as being trained to Code 3. Actual training records reviewed reflected training to Code 2. Nonconforming Identification Report NIR #001 has been issued.

5. System Interaction Walkdown of the Auxiliary Building continues in accordance with Procedure WTP-3-Q, "Procedure for Performing Walkdowns of SSIP/S Targets."

The CIO evaluation was performed utilizing attribute Checklist MP-MIS-WTP-3-Q. Twenty three (23) interactions were analyzed and documented, eight of which were witnessed by CIO.

6. In preparation for verification of HVAC activities, CIO visited Zack's Welder qualification area on August 13, 1983. CIO witnessed, a trainee performing a test to Welding Procedure 2-1-2, preparation of test plates and fit-up. Documentation for the above activities was reviewed and found to be in compliance with Welding Procedure 2-1-2.

Action Items

Responses covering open items contained in the CPCo letter dated July 1, 1983 and responses to CIO reports through Report #7 dated August 1, 1983 have been received from CPCo on August 12, 1983.

The following CIO concerns addressed in Report #6 dated July 25, 1983 have been responded to:

- 1) Concern - "Adequacy of drawings - Large Bore Pipe Hangers" closed by this letter. New item opened. Advise CIO of redline NCR and its impact of QVP.

Response: The majority of the Field Redlines (FRL) in question affected pipe supports within the scope of the Hanger Reinspection Program. Approximately 5% of the FRLs affected small bore pipe drawings.

Immediately upon identification of the FRL problem, the necessary procedural controls were implemented by the affected organizations.

These controls include:

- 1) Project Engineering identifying which drawings are affected and placing them on hold in accordance with EDP 4.46.
- 2) Upon notification from Project Engineering, Field Document Control issues a drawing hold cover sheet to all affected organizations on drawing distribution. This action is in accordance with FPD-1.000 Rev 16.
- 3) Quality Control has issued an "activity hold" in accordance with AAPD/PSP G-3.2, preventing any inspections to a drawing with an outstanding FRL.

These programmatic controls are sufficient to preclude inspection acceptance of affected items. In addition, all of the individual holds are forecasted to be released and revised drawings redistributed by 9-8-83. For this reason, the redline issue has no quality impact on the QVP.

Resolution: Response is acceptable - this item is closed and Hold released.

2) Concern - "Material Traceability of Installed Hangers." (E3)

Response: Material traceability in general is the subject of a draft report completed by the MPQAD Principle Quality Advisor. Although this draft report recommends some changes for future work, it concludes that the Project does meet the applicable requirements. A memo from the Executive Manager - MPQAD to the Management Review Committee presents this conclusion.

Since the conclusion is that material traceability requirements are currently being met, there will be no impact on reinspections during QVP or the Hanger Reinspection Program.

Resolution: CIO accepts this response - item is closed and Hold released.

3) Concern: "Has a program been developed and responsibilities established of personnel assigned to process nonconformances?"

Response: Remains open as indicated in I (3) below.

I (3) Need to describe and present procedures on the NCR disposition process.

Response: The NCR disposition process to be used for the QVP is the normal process as described in PSP 3.2. A revised procedure (F2-M) for preparing and processing NCR's will become effective August 30, 1983.

NCR's generated from the hanger reinspection only will have an additional step to develop a recommended disposition prior to final disposition in accordance with the above procedures. These additional procedures will be made available to the CIO. The Nutech portion of the NCR process remains open until we provide the CIO with the process. The Nutech Process was developed for the hanger reinspection program and should not be a restraint to CCP (which includes the QVP). Project Engineering will discuss process with CIO.

Resolution - Response is satisfactory. This item will be closed out when procedures are received and discussion held with Project Engineering. Hold is released.

4) Concern - MRC to convene to confirm or modify recommendations of MPQAD (last paragraph of R. A. Wells memorandum dated June 17, 1983 (Serial 22848))

Response: J. W. Cook letter to J. A. Rutgers, CPCo Serial 23624 dated July 13, 1983 acts on the recommendations made by R. A. Wells and concludes for the MRC (Management Review Committee) that all constraints to the QVP, other than NRC approval, have been closed.

Resolution - Response is satisfactory. This concern is closed.

Open Items

1) Report No. 7 August 1, 1983 page 1 "Ten course rosters were determined to be unsatisfactory due to transcription errors and improperly filled out."

Resolution - No response has been received from the Training Coordinator.

2) CIO identified to MPQAD of a potential problem area. Welding criteria are duplicated in PQCI's. The potential exists that if a PQCI is revised, then all other PQCI's which repeat the information may not be revised, and, as a result, inspections could conceivably be performed to superceded data. A meeting has been scheduled for week of August 15, 1983 with MPQAD.

General

Resume of J. L. Barr, replacement for W. D. Miller, is being transmitted to Mr. J. J. Harrison US NRC Glen Eilyn, IL.

STATUS OF CIO PROGRAM DEVELOPMENT

I. PQCI Activity
Checklist Development Status

	This Week	To Date 8-5-83	Total To 8-12-83
Applicable PQCI Recd	0	68	68
PQCI -1st Draft	0	62	a) 62
Approval Cycle	0	65	b) 65
Typing	3	54	c) 57
Approved for Issue	0	34	d) 34
Issued		0	0
CN's	5	94	99
Rev.	3	35	38

- a) 56 Actual - 6 Rewrites due to revisions
- b) 51 Actual - 16 Rewritten due to revisions and change notices
- c) 44 Actual - 13 Retyes due to revisions and chage notices
- d) 32 Actual - 2 Reprocessed and reapproved due to revisions

II. MP-MIS Activity	This Week	To Date 8-5-83	Total To 8-12-83
MIS-Draft Cycle	3	18	a) 21
MIS-Approval Cycle	2	19	b) 21
MIS-Typing	4	13	c) 17
MIS-Approved for Issue	0	7	d) 7
MIS-Issued	1	0	1

- a) 15 Actual - 6 Rewritten
- b) 15 Actual - 6 Rereviews
- c) 13 Actual - 4 Retyes
- d) 5 Actual - 2 Reprocessed and reapproved

Figure 3-1

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY

Docket No. 50-329 OM
50-330 OM

(Midland Plant, Units 1 and 2)

Docket No. 50-329 OL
50-330 OL

AFFIDAVIT OF John L. Barr

My name is John L. Barr. I am employed by Stone & Webster Michigan, Inc. as Senior QC Inspector.

I am currently assigned to the team which is proposed to conduct a Third Party Construction Implementation Overview at the Midland Nuclear Plant site. Prior to being given this assignment, I have never worked on any job or task associated with the Midland Project, or any job or task for or on behalf of Consumers Power Company or Bechtel relating to issues that I will be reviewing. I have never been employed by Consumers Power Company or Bechtel. I do not own any shares of Consumers Power Company or Bechtel stock. Mutual funds or other funds in which I may have a beneficial interest, but over which I have no control, may own shares of Consumers Power Company or Bechtel stock, of which I am unaware. A list of such funds in which I have an interest are attached. I have no relatives which are or have been employed by Consumers Power Company or Bechtel.

Signed John L. Barr

Sworn and Subscribed Before Me This 5th Day of August 1983

Patricia A. Puffer
NOTARY PUBLIC

PATRICIA A. PUFFER
Notary Public, Bay County, MI
My Commission Expires Mar. 4, 1986

My Commission Expires 3-4-86

AUG 11 1983



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

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

August 8, 1983
J.O. No. 14509
NRC File #83-08-08

RE: DOCKET NO. 50-329/330
MIDLAND PLANT - UNITS 1 AND 2
OVERVIEW OF THE CONSTRUCTION COMPLETION PROGRAM
REPORT NO. 8

A copy of the Construction Implementation Overview Report No. 8 for the period July 29, 1983 through August 4, 1983 is enclosed with this letter. There were no scheduled Management CCP meetings during this reporting period. The status of the CIO program development and evaluations of the CCP is enclosed.

Very truly yours,

S.W. Baranow
Program Manager

Enclosure

SWB/ka

cc: JHarrison, US NRC Glen Ellyn, IL
RCook, US NRC Midland (site)
DBMiller Jr., CPCo Midland (site)
RBKelly, S&W
APAmoruso, S&W
CGRichardson, S&W

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Report No. 8

July 29, 1983 through August 4, 1983

Personnel on Site

Stone & Webster Michigan, Inc.

S. Baranow	R. Scallan
J. Thompson	J. Langston
F. Bearham	A. Smith
W. Sienkiewicz	J. Chawla

Meetings Attended

<u>Date</u>	<u>Attendees</u>	<u>Purpose</u>
August 2, 1983	Stone & Webster MPQAD	Discussion of CIO "Hold Points"
August 4, 1983	Stone & Webster US NRC	CCP and CIO

Meetings

August 2, 1983 - a brief meeting was held with MPQAD for a discussion of the 3 CIO Hold Points addressed in our Report No 7, dated July 25, 1983. The purpose in classifying the items as "Hold Points" with required resolutions was discussed. CIO was advised that responses were in preparation. Attendees at this meeting were:

H. Leonard, MPQAD	S. Baranow, S&W
B. Palmer, MPQAD	F. Bearham, S&W
	J. Thompson, S&W

August 4, 1983 - a brief meeting was held with Mr. J. J. Harrison US NRC who advised CIO of the CCP hearings scheduled for August 11, 1983 in Midland, MI. As requested by Mr. Harrison, CIO provided copies of:

- 1) QCI-10.01 Construction Implementation Overview Assessment
- 2) QCI-15.01 Nonconformance Identification and Reporting
- 3) Information copy of Attribute Checklist No. P-2.20V, Pipe (Component) Supports Fabrication
- 4) Third Party Construction Implementation Overview
- 5) Project Quality Assurance Plan

Activities

Training

- 1) - CIO attended and evaluated training sessions on August 2, 1983. The evaluation was determined to be satisfactory and was in compliance with the requirements of FPG-4.00 "Training Evaluation Team Organization and Responsibilities."

The subject matter of the training sessions were:

- A) Area Release for Construction, FPG-7.500
- B) Hanger Walkdown, FPM-9.200

Results of the evaluation have been documented on Checklist No. MP-MIS-001E and are available for review.

2. Review of training records for Bulk Hanger Organization Team #31 is continuing for:
 - compliance to matrix requirements
 - completed training to specific documents
 - proper identification of personnel on course rosters vs. computer printout
3. Revision 1 to the Construction Training Matrices dated August 3, 1983 was received and reviewed by CIO on August 4, 1983. Fourteen areas of discrepancies were observed where the required code training identification did not agree with the computer printout. These discrepancies, covering three members of BHO Team #30, have been brought to the attention of the training coordinator. The manual records will be reviewed for compatibility with the computer printout.

System Interaction Walkdown - no interactions were performed during this reporting period.

Checklists have been developed to cover Zack activities in the following disciplines:

- MP-MIS-Z-015 - Incoming Material Receipt Inspection
- MP-MIS-Z-017 - Welder Qualification
- MP-MIS-Z-018 - Weld Rod Control and In-process Inspection of Welding

Action Items (closed)

1) June 14, 1983 Report No. 2

Concerns - a) The Quality Control Inspection Record attributes do not lend themselves to the title of the PQCI "In-process."

Response: It was agreed by MPQAD that the title was somewhat misleading and if changed to read "Audit of" or "Surveillance Inspection For," the intent of the procedure would be clarified.

b) Under Special Instructions, paragraph 1.; "This PQCI shall be implemented once per calendar week and shall include inspections from each of the various BOP Fabrication/Construction areas on the jobsite." CIO requested clarification of this paragraph.

Response: MPQAD agreed to reword the paragraph to eliminate the ambiguity.

Resolution - An advanced copy of PQCI Rev. 7 was reviewed which satisfactorily resolved CIO concerns. The title block has been changed from "In-process" to "Surveillance."
Paragraph 1 under special instructions has been clarified. This item is closed.

Action Items

The following CIO concerns addressed in Report No. 6, dated July 25, 1983 have not been responded to:

- 1) Adequacy of drawings (A8) - large bore pipe hangers
- 2) Material traceability of installed hangers
- 3) Has a program been developed and responsibilities established of personnel assigned to process nonconformances

These action items were the subject of our discussion with MPQAD on August 2, 1983. It is anticipated that the responses will be received during the week of August 8, 1983.

CIO has been advised that a memorandum has been issued by the Chairman of the Management Review Committee in response to R. A. Wells memorandum dated June 17, 1983 (Serial 22848).

Upon receipt of a copy of the memorandum, the following item can be closed.

MRC to convene to confirm or modify recommendations of MPQAD (last paragraph of R. A. Wells memorandum dated June 17, 1983 (Serial 22848))

JOB NO. 14509
MIDLAND PLANT - UNITS 1 AND 2
OVERVIEW OF THE CONSTRUCTION PROGRAM
REPORT NO. 8
PAGE 4

General

- 1) Mr. J. L. Barr, Senior Quality Control Inspector has transferred in from the Millstone 3 Project to replace W. D. Miller. His signed affidavit is being transmitted to Mr. J. J. Harrison US NRC, Glen Ellyn, IL. His resume will follow upon receipt from Boston, Mass.

STATUS OF CIO PROGRAM DEVELOPMENT

I. PQCI Activity
Checklist Development Status

	This Week	To Date 7-29-83	Total To 8-5-83
Applicable PQCI Recd	1	67	68
PQCI -1st Draft	0	62	a) 62
Approval Cycle	3	62	b) 65
Typing	4	50	c) 54
Approved for Issue	4	30	d) 34
Issued	0	0	0
CN's	4	90	94
Rev.	7	28	35

- a) 56 Actual - 6 Rewrites due to revisions
 b) 51 Actual - 14 Rewritten due to revisions and change notices
 c) 41 Actual - 13 Retypes due to revisions and change notices
 d) 32 Actual - 2 Reprocessed and reapproved due to revisions

II. MP-MIS Activity

	This Week	To Date 7-29-83	Total To 8-5-83
MIS-Draft Cycle	2	16	a) 18
MIS-Approval Cycle	3	16	b) 19
MIS-Typing	4	9	c) 13
MIS-Approved for Issue	1	6	d) 7
MIS-Issued	0	0	0

- a) 14 Actual - 4 Rewrites
 b) 14 Actual - 5 Reviews
 c) 11 Actual - 2 Retypes
 d) 5 Actual - 2 Reprocessed and reapproved



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

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

August 1, 1983
J.O. No. 14509
NRC File #83-08-01

RE: DOCKET NO. 50-329/330
MIDLAND PLANT - UNITS 1 AND 2
OVERVIEW OF THE CONSTRUCTION COMPLETION PROGRAM
REPORT NO. 7

A copy of the Construction Implementation Overview Report No. 7 for the period July 22, 1983 through July 28, 1983 is enclosed with this letter. There were no scheduled meetings during this reporting period. The status of the CIO program development and evaluations performed is enclosed.

Very truly yours,

S.W. Baranow

S.W. Baranow *SBP*
Program Manager

Enclosure

SWB/ka

cc: JHarrison, US NRC Glen Ellyn, IL
RCook, US NRC Midland (site)
DBMiller Jr., CPCo Midland (site)
RBKelly, S&W
APAmoruso, S&W
CORichardson, S&W

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Report No. 6

July 22, 1983 through July 28, 1983

Personnel on Site

Stone & Webster Michigan, . . .

S. Baranow	J. Langston
J. Thompson	A. Smith
W. Sienkiewicz	J. Chawla
R. Scallan	C. Larsen (temporary)
F. Bearham	

Meetings Attended

No meetings were scheduled during this period.

Activities

Training - CIO attended and evaluated a training session conducted on July 27, 1983. The evaluation was determined to be satisfactory and was in compliance with the requirements of FPG-4.00 "Training Evaluation Team Organization and Responsibilities."

The subject matter of the training session was:

- 1) Installation of Field Mounted HVAC "Q" Instrumentation

Results of the evaluation have been documented on checklist No. MP-MIS-001E and are available for review.

Other Activities

- 1) CIO has completed review of training records for members of the Bulk Hanger Organization Team #30 to verify:
 - compliance to matrix requirements
 - completed training to specific documents
 - proper identification of personnel on course rosters vs. computer printout

Ten course rosters were determined to be unsatisfactory due to transcription errors and improperly filled out. The training coordinator was advised and will make corrections to the original documents.

- 2) Review of training records for Bulk Hanger Organization Team #31 has been started.

The training lesson outlines were extracted from Specification No. 7220-M.214Q Rev. 8 Piping System Erection Fitup Control Requirements.

- 3) Checklist for evaluating and verifying receipt inspections of the Zack HVAC program is under development.

System Interaction Walkdown of the Auxiliary Building continues in accordance with procedure WTP-3-Q, "Procedure for Performing Walkdowns of SSIP/S Targets."

The CIO evaluation was performed utilizing attribute checklist MP-MIS-WTP-3-Q. Fourteen interactions were analysed and documented seven of which were witnessed by CIO.

Action Items

The following CIO concerns addressed in Report No. 6, dated July 25, 1983 have not been responded to:

- 1) Adequacy of drawings (A8) - large bore pipe hangers
- 2) Material traceability of installed hangers
- 3) Has a program been developed and responsibilities established of personnel assigned to process nonconformances
- 4) MRC to convene to confirm or modify recommendations of MPQAD (last paragraph of R.A. Wells memorandum dated June 17, 1983 (Serial 22848)

General

Five CIO personnel, F. Bearham, J. Thompson, W. Sienkiewicz, A. Smith and J. Chawla attended a 2 hour course on Confined Space Training on July 26, 1983.

Mr. W.D. Miller, is on sick leave and will not be returning to the job site. His replacement Mr. J. Barr is due to arrive on site on August 8, 1983.

STATUS OF CIO PROGRAM DEVELOPMENT

I. POCI Activity
Checklist Development Status

	This Week	To Date 7-22-83	Total To 7-29-83
Applicable POCI Recd	-	67	67
-POCI -1st Draft	5	57	a)62
Approval Cycle	7	55	b)62
Typing	5	45	c)50
Approved for Issue	8	22	d)30
Issued	0	0	0
CN's	1	89	90
Rev.	4	24	28

- a) 56 Actual - 6 Rewrites due to revisions
- b) 48 Actual - 16 Reviews due to revisions and change notices
- c) 38 Actual - 12 Retypes due to revisions and changes notices
- d) 29 Actual - 1 Reprocessed and reapproved due to revisions

II. MP-MIS Activity	This Week	To Date 7-22-83	Total To 7-29-83
MIS-Draft Cycle	2	14	a)16
MIS-Approval Cycle	4	12	b)16
MIS-Typing	4	5	c) 9
MIS-Approved for Issue	2	4	d) 6
MIS-Issued	0	0	0

- a) 12 Actual - 4 Rewrites
- b) 12 Actual - 4 Reviews
- c) 7 Actual - 2 Retypes
- d) 4 Actual - 2 Reprocessed and reapproved



STONE & WEBSTER MICHIGAN, INC.

P.O. BOX 2325, BOSTON, MASSACHUSETTS 02107

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

July 25, 1983
J.O. No. 14509
NRC File #83-07-25

RE: DOCKET NO. 50-329/330
MIDLAND PLANT - UNITS 1 AND 2
OVERVIEW OF THE CONSTRUCTION COMPLETION PROGRAM
REPORT NO. 6

A copy of the Construction Implementation Overview Report No. 6 for the period July 15, 1983 through July 21, 1983 is enclosed with this letter. Meetings attended with subjects addressed is provided. Status of CIO program development is enclosed.

Very truly yours,

S.W. Baranow
Program Manager

Enclosure

SWB/ka

cc: JHarrison, NRC Glen Ellyn
RCook, NRC Midland (site)
DBMiller, CPCo Midland (site)
RBKelly, S&W
APAmoruso, S&W
CORichardson, S&W

~~8310170598~~

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Report No. 6

July 15, 1983 through July 21, 1983

Personnel on Site

Stone & Webster Michigan, Inc.

S. Baranow	J. Langston
J. Thompson	A. Smith
W. Sienkiewicz	J. Chawla
R. Scallan	G. Foley (temporary)

Meetings Attended

<u>Date</u>	<u>Attendees</u>	<u>Purpose</u>
July 18, 1983	CPCo Stone & Webster	Listing of Priorities
July 20, 1983	CPCo Stone & Webster	Quality Verification Program

Meetings

July 18, 1983 - Meeting D.B. Miller and S.W. Baranow - requested copies of listing of priorities by areas/systems for start-up of the Quality Verification Program. This information will provide a basis for estimating CIO manpower requirements in addition to scheduling CIO overview assignments.

July 20, 1983 - A brief meeting was held between MPQAD and Stone & Webster to discuss CIO open items with respect to implementing the Quality Verification Program. CIO areas of concern which could constitute a restraint or "Hold Point" is addressed under action items. Attendees at this meeting were:

R. Wells, CPCo	R. Lee, CPCo
H. Leonard, CPCo	J. Thompson, S&W
B. Palmer, CPCo	S. Baranow, S&W

Activities

Training - CIO attended and evaluated training sessions conducted on July 20, 1983. The evaluation was determined to be satisfactory and was in compliance with the requirements of FPG-4.00 "Training Evaluation Team Organization and Responsibilities."

The subject matter of the training sessions were:

1. Numbering Raceway Supports, FIE-3.320
2. Raceway and Pullbox and Terminal Box Schedule, Drawings E36, E38 and E46.

Results of the evaluation have been documented on Checklist No. MP-MIS-001E and are available for review.

Other Activities

1. CIO is currently reviewing the computer printout training records for members of the Bulk Hanger Organization Team No. 30 to verify.
 - compliance to matrix requirements
 - completed training to specific documents
 - legibility of the printout
 - identification of personnel
2. As requested by CCo management, CIO is developing checklists for verification and evaluation of the Zack HVAC program. Areas of involvement, as a minimum, will consist of:
 - surveillance of welder qualifications
 - surveillance of field welding and installation
 - surveillance of rework activities

Action Items

Prior to implementation of the Quality Verification Program, the following items are considered to be restraints requiring resolutions. CIO is classifying the restraints as "Hold Points."

June 14, 1983 Report No. 2

1. Concern - "Adequacy of drawings (A8) - large bore pipe hangers."

Response a) Adequacy of drawings (A8) - large bore pipe hangers

The configuration of some hangers is governed by redline drawings. These redlines are issued and controlled by Bechtel document control. Furthermore, Bechtel is currently in the process of incorporating redlines into upgraded revisions of the drawings. Discussions with inspectors involved in hanger reinspections indicate that the redlines are clear, legible, and appropriate for inspections. Based upon the above, we consider that the control and "inspectability" of these drawings is acceptable. This item is therefore considered to be closed.

MPQAD Nonconformance Reports, M01-5-3-223 and 5894 issued on July 11, 1983 and July 12, 1983 respectively, noted that reinspections of hangers were performed to red lined drawings which were voided by Project Engineering.

Action - Please advise CIO as to the severity of the problem and it's impact on the implementation of the Quality Verification Program.

2. Concern - "Material traceability of installed hangers (E3)"

Response c) Material traceability of installed hangers (E3).

A report concerning material traceability is due by the end of this week. Note that the traceability issue was specifically identified in previous Management Review Meeting minutes as not being a restraint for QVP implementation.

Action - Please provide CIO with the report of material traceability in order that we may review and if satisfactory, will consider this item to be closed.

3. June 28, 1983 Report No. 3

Concern - "Has a program been developed and responsibilities established of personnel assigned to process nonconformances?"

Response - Will be responded to letter

Action - Please provide CIO with a scheduled date for issue. If this item is not critical and will not impact on the implementation of the Quality Verification Program, please provide the rationale that the lack of this program will not be cause for delay in the start-up of the Quality Verification Program.

Closed Action Items

1. June 14, 1983 Report No. 2

Concerns: Item 3(e) "need to identify commitments made to US NRC."

2. June 17, 1983 Letter

Concerns Item 4(6) "CIO considers the list of commitments to the US NRC a constraint to the QVP."

Resolutions: CIO, on July 25, 1983 received a rough draft copy of the base list matrix consisting of 5 sheets of CPCo commitments to the US NRC. Additional sheets of commitments are in development and will be reviewed upon receipt.

Open Action Items

1. June 17, 1983 Letter

MRC to convene to confirm or modify recommendations of MPQAD (last paragraph of R.A. Wells memorandum dated June 17, 1983 (serial 22848).

STATUS OF CIO PROGRAM DEVELOPMENT

I. POCI Activity -
Checklist Development Status

	This Week	To Date 7-15-83	Total To 7-22-83
Applicable POCI Read	-	67	67
POCI -1st Draft	0	57	a) 57
Approval Cycle	0	55	b) 55
Typing	10	35	c) 45
Approved for Issue	4	19	22
Issued	0	0	0
CN's	2	87	89
Rev.	2	22	24

- a) 52 Actual - 5 Rewrite due to revisions
- b) 43 Actual - 12 Reviews due to revisions and change notices
- c) 33 Actual - 12 Retypes due to revisions and change notices

II. MP-MIS Activity

	This Week	To Date 7-15-83	Total To 7-22-83
MIS-Draft Cycle	0	14	14
MIS-Approval Cycle	1	11	11
MIS-Typing	0	5	11
MIS-Approved for Issue	0	4	4
MIS-Issued	0	0	0