



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

OKFW
J. J. H

MAY 23 1983

MEMORANDUM FOR: R. F. Warnick, Director, Office of Special Cases
FROM: J. J. Harrison, Chief, Midland Section
SUBJECT: THIRD PARTY CONSTRUCTION IMPLEMENTATION OVERVIEW FOR
THE MIDLAND PLANT CONSTRUCTION COMPLETION PROGRAM DATED
APRIL 1, 1983

The Midland Section has completed a review of the Stone and Webster proposal submitted by Consumers Power Company letter to J. G. Keppler dated April 6, 1983. The plan as written appears to meet the requirements to be able to provide a proper approach, schedule, and organization to assure proper overview of implementation of the CCP while maintaining a third party status. The weekly and monthly progress reports appear to be adequate to keep the NRC informed. The NRC staff will also have the opportunity to attend the site daily meetings.

This memorandum therefore constitutes approval of Stone and Webster proposal for program content. The competence and independence review is being accomplished by a separate Region III office.

J. J. Harrison, Chief
Midland Section

cc: J. R. Miller

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PDR



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

June 13, 1983

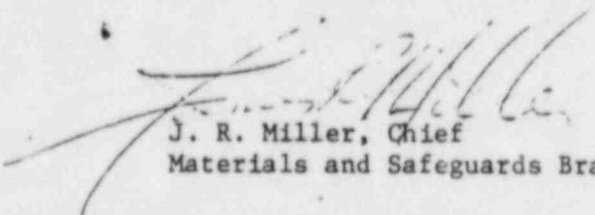
MEMORANDUM FOR: R. F. Warnick, Director, Special Cases Staff
FROM: J. R. Miller, Chief, Materials and Safeguards Branch
SUBJECT: ASSESSMENT OF S&W TO WORK AT MIDLAND
(DOCKET NO. 50-329; 50-330)

As requested, I have completed an audit of the competence of the individuals assigned by Stone & Webster to work on the "Third Party Construction Implementation Overview" at Midland.

Based on my discussions with given references and discussions with developed references, I could find nothing that would indicate that these persons should not perform the subject work.

In addition, I discussed the overall S&W effort with those persons in NRR who were responsible for developing Secy 82-414 (Diablo Canyon Design Verification Program - Phase II Recommendations). These NRC persons, in Enclosure 10 to Secy 82-414 indicated that S&W (and others) were acceptable.

Based on my review of affidavits for all parties concerned and my review of presented documentation, I cannot find any reason for not approving S&W to perform work at Midland.


J. R. Miller, Chief
Materials and Safeguards Branch

84060-2566



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

June 15, 1983
J.O. No. 14509
NRC File #83-06-14

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

Attached for your information and files are four (4) copies of the Stone & Webster Engineering Corporation Construction Implementation Overview Organization, Rev. 0 dated June 1, 1983. Revised copies, as updated, shall be transmitted to your office.

If you have any questions with respect to the Organization chart, please contact me at (517) 631-8650, extension 486.

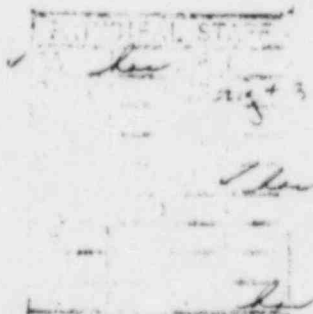
Very truly yours,

S.W. Baranow
Program Manager

Enclosure

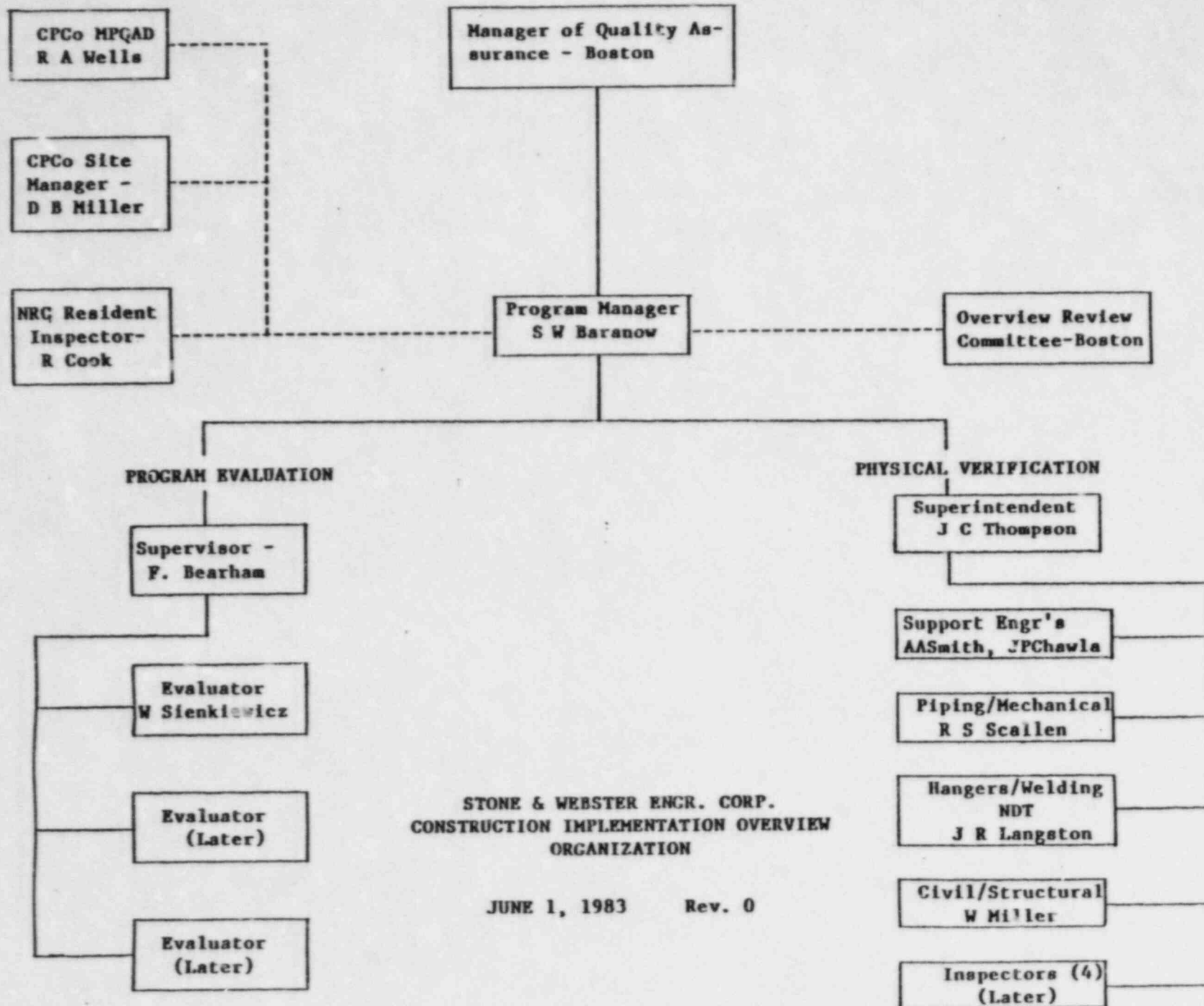
SWB/ka

cc: JHarrison, NRC Glen Ellyn, IL
RCook, NRC Midland (site)
DBMiller, CCo Midland (site)
RBKelly, S&W
APamaruso, S&W



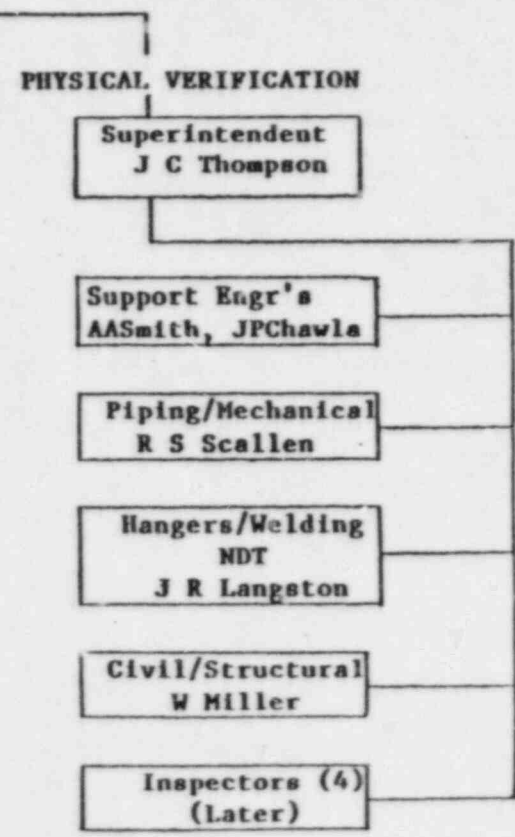
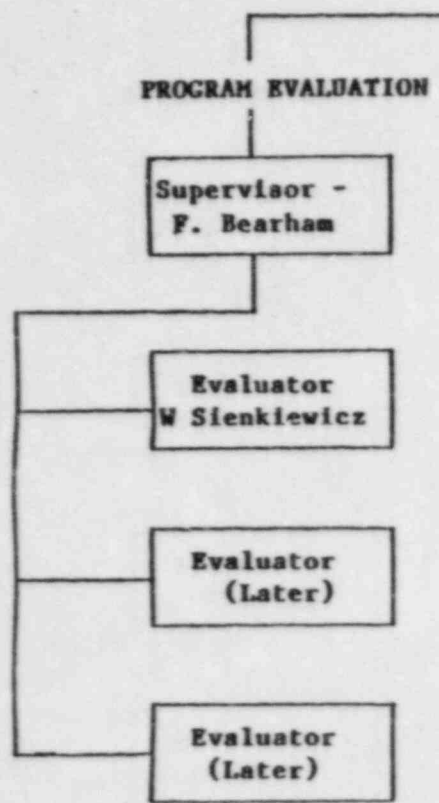
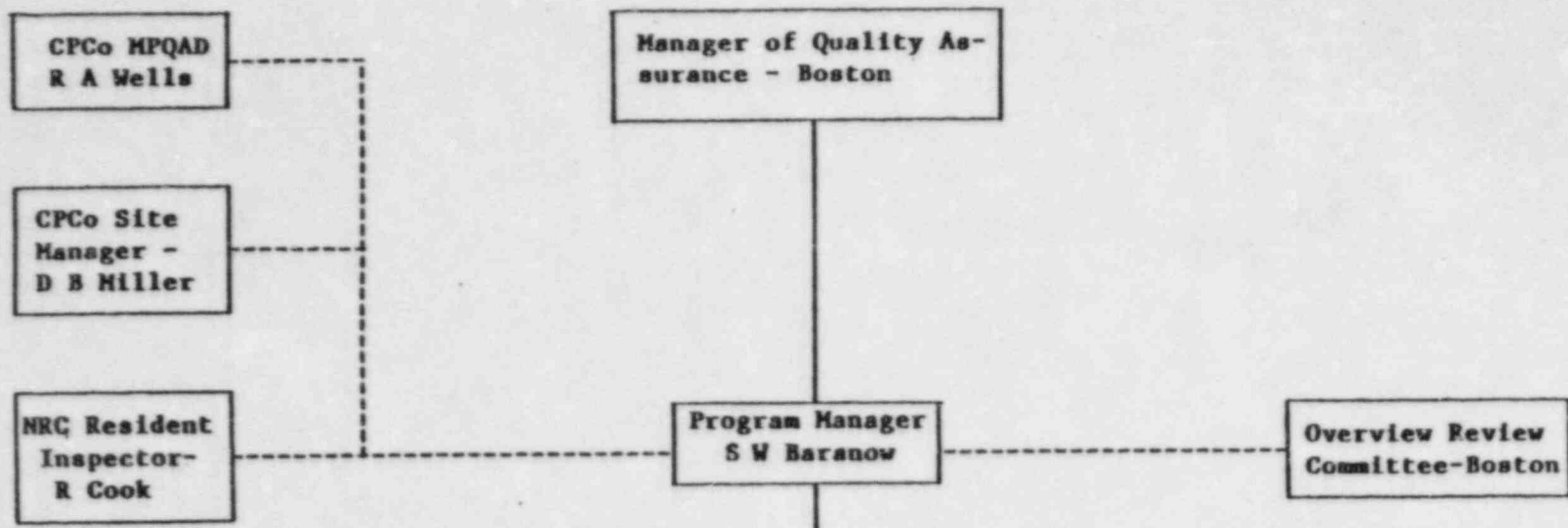
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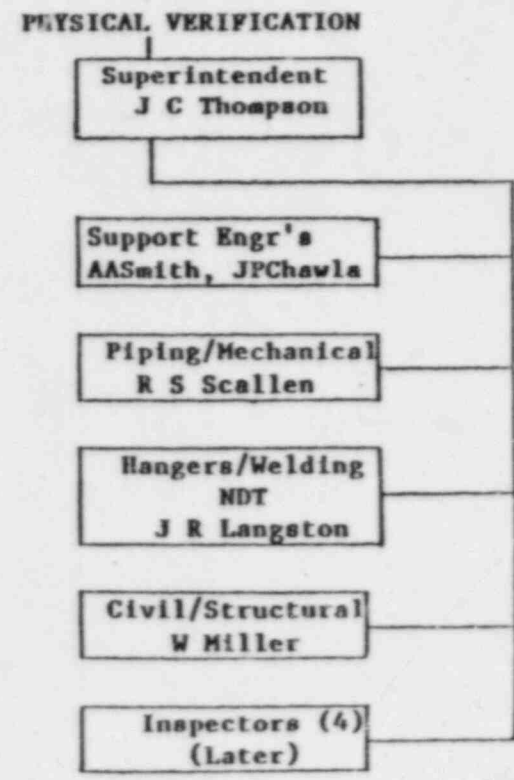
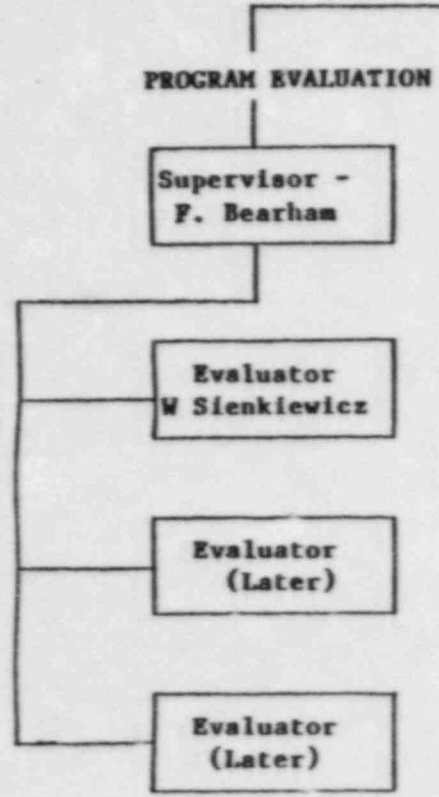
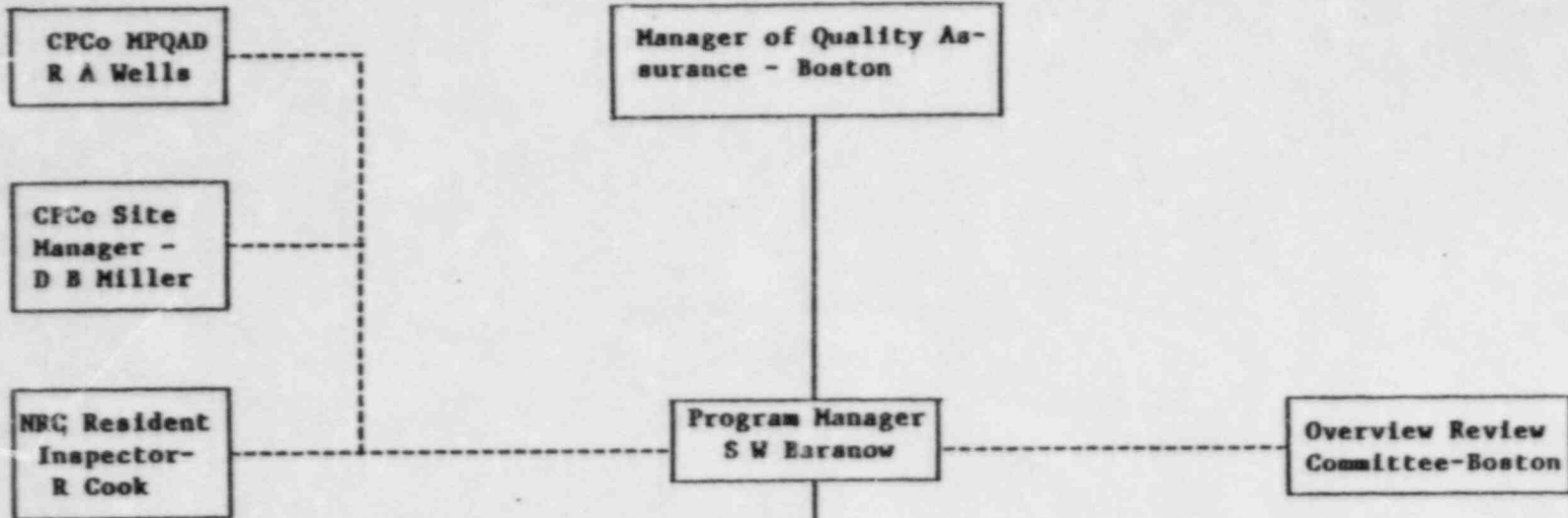
STONE & WEBSTER ENGR. CORP.
 CONSTRUCTION IMPLEMENTATION OVERVIEW
 ORGANIZATION

JUNE 1, 1983 Rev. 0



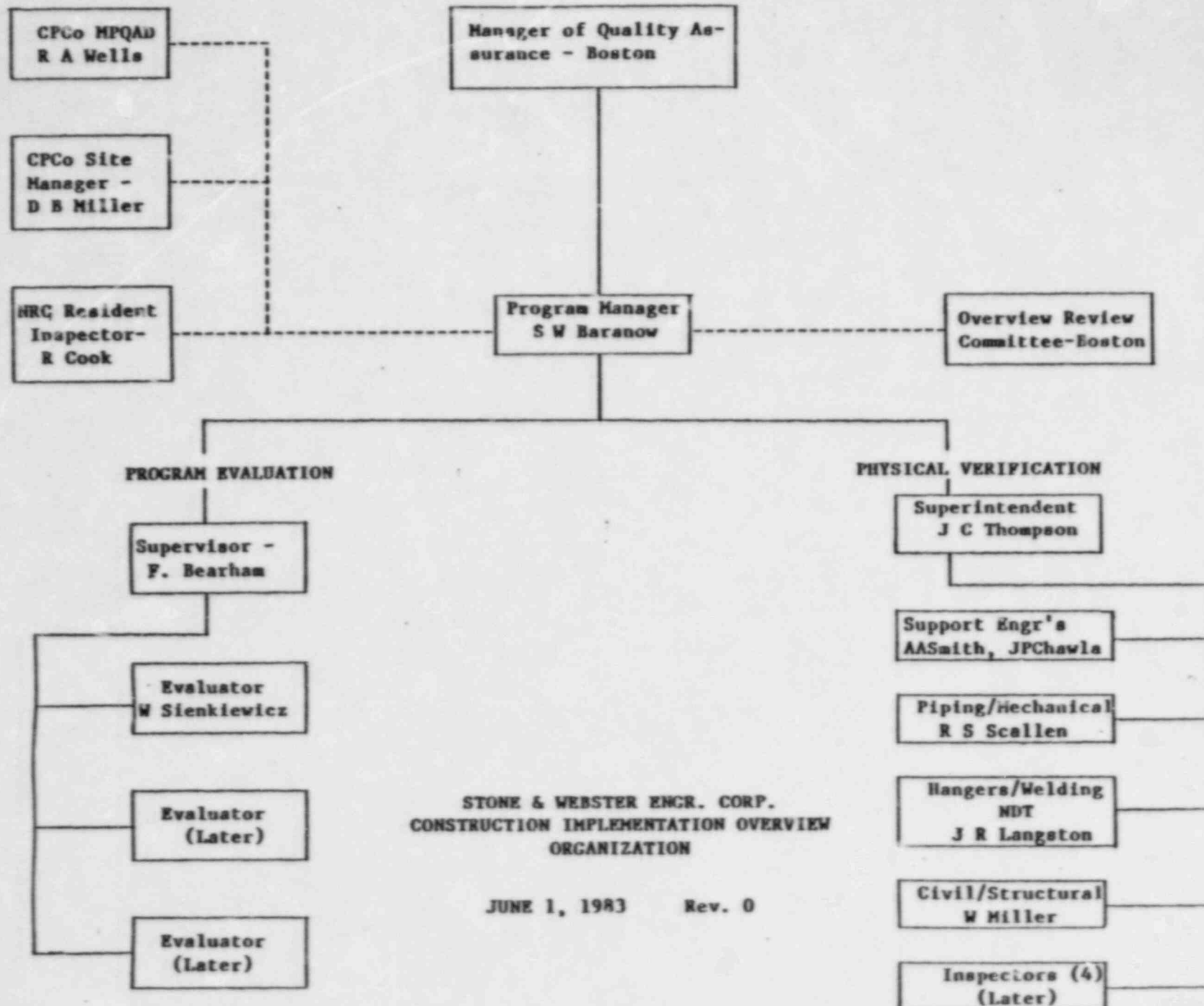
STONE & WEBSTER ENGR. CORP.
 CONSTRUCTION IMPLEMENTATION OVERVIEW
 ORGANIZATION

JUNE 1, 1983 Rev. 0



STONE & WEBSTER ENGR. CORP.
 CONSTRUCTION IMPLEMENTATION OVERVIEW
 ORGANIZATION

JUNE 1, 1983 Rev. 0





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

June 3, 1983
J.O. No. 14509
NRC File#83-05-01

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

Attached is a chronology of Stone & Webster Engineering Corporation (SWEC) participation in Consumers Power Company, (CPCo) Construction Completion Program. In addition to addressing various meetings attended by SWEC, a status of the development of various phases of the Construction Implementation Overview Program (CIO) is provided. We will advise your office on a weekly basis as to meetings attended and will report on our program development. Currently six members of the CIO Team are on-site and are supported by two writers, from Boston, in the preparation of evaluation and verification checklists.

If you have any questions with respect to this report, please contact me at extension 665 (Bechtel), 517-631-4286.

Very truly yours,

Stanley W. Baranow
Program Manager

Enclosure

SWB/dmh

cc: RCook, NRC Midland
JHarrison, NRC Glen Ellyn
DBMiller, Midland
RBKelly, SAW
APAmaruso, S&W

8306130308

The initial visit to the site by the undersigned, was made on April 28, 1983 for an introductory meeting with CPCo management personnel. Throughout this period numerous meetings were attended by CIO personnel, listed by dates shown:

- 1) April 29, 1983 - Management Review of the Construction Completion Program.
- 2) May 5, 1983 A.M. - Introductory meeting with key members of the Management Review Committee; CPCo, Bechtel and SWEC.
- 3) May 5, 1983 P.M. - Meeting with R. Wells, B. Palmer, MPQAD. Discussions on Training and CCP, received handouts of electrical NCRs, NRC correspondence, Inspectors Training Program and a copy of the CPCo Nonconformance procedure.
- 4) May 11, 1983 - Introductory meeting with Mr. R. Cook, NRC site Senior Inspector; briefly discussed the philosophy and implementation of the CIO program. The subject of weekly progress reports and meetings with NRC and CPCo was raised. Mr. Cook advised that weekly reports and meetings would not be required during SWECs development of the overview program, but would commence with the implementation of the CCP.
- 5) May 12, 1983 - Meeting with the NRC, CPCo, Bechtel and SWEC for discussion of the Construction Training Program FPG-2.000 Rev. 1 Program requires revision to address how "Trainers are trained."
- 6) May 17, 1983 - Meeting with NRC regional and site representatives. The Quality Verification Program Document was reviewed in its entirety. Numerous areas were judged by the NRC to be unsatisfactory, particularly, the 95/95% acceptability plan. Also addressed were NRC concerns to responses by CPCo in letters dated April 6 and April 22, 1983 which were judged to be inadequate. NRC requested that the CIO perform an overview evaluation of the Interaction System walkdown of Safety Related equipment.
- 7) May 18, 1983 - Management Review for Preparation and Statusing of Bulk Hangers organization and training of supervision and craft personnel. In attendance were representatives of CPCo, Bechtel and SWEC.
- 8) May 23, 1983 - Meeting with R. Wells, Executive Director, MPQAD and the undersigned to discuss documentation required by CIO; PQCI, status of PQCI development, INPO audit findings and responses, training matrix, CPCo commitments to the NRC. Also, discussed was the vehicle to be used to identify CIO concerns noted during reviews of PQCI where attributes appear to be ambiguous and/or not in compliance with Code requirements. Method of Communication/Notification is under consideration.
- 9) May 23, 1983 P.M. - Meeting with Roy Wells, Executive Director, to discuss getting on copy for various documents i.e. PQCI, Inpo Audit findings and status, training matrix, status of PQCI development.
- 10) May 27, 1983 - Meeting with Bruce Peck, CPCo Construction Superintendent and Bechtel Representatives to discuss Construction Completion Team organization. Topics included background and Philosophy, Bechtel Construction Organization, CCP Organization, Team Organization, Communications between Bechtel, CPCo ECIO, CIO Team Organization, Objectives and Philosophy.

STATUS OF PROGRAM DEVELOPMENT

- A. CIO Plan transmitted to the site NRC Inspector and CPCo on Thursday, May 19, 1983.

B. Evaluation Plan (software assessment), in rough draft-awaiting comments.

C. Checklists under development:

- * QC and Construction Training - Evaluation
- * Management CCF responsibilities - Evaluation
- * Bulk Hanger Organization - Evaluation
- * "N" series procedures - Evaluation
- * Reinspection of Pipe Component Supports P119/P129 walkdown - Evaluation and Verification



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

MAY 23 1983

MEMORANDUM FOR: R. F. Warnick, Director, Office of Special Cases
FROM: J. J. Harrison, Chief, Midland Section
SUBJECT: THIRD PARTY CONSTRUCTION IMPLEMENTATION OVERVIEW FOR
THE MIDLAND PLANT CONSTRUCTION COMPLETION PROGRAM DATED
APRIL 1, 1983

The Midland Section has completed a review of the Stone and Webster proposal submitted by Consumers Power Company letter to J. G. Keppler dated April 6, 1983. The plan as written appears to meet the requirements to be able to provide a proper approach, schedule, and organization to assure proper overview of implementation of the CCP while maintaining a third party status. The weekly and monthly progress reports appear to be adequate to keep the NRC informed. The NRC staff will also have the opportunity to attend the site daily meetings.

This memorandum therefore constitutes approval of Stone and Webster proposal for program content. The competence and independence review is being accomplished by a separate Region III office.

J. J. Harrison

J. J. Harrison, Chief
Midland Section

cc: J. R. Miller

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prelim*

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ENCLOSURE 2

STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

| | |
|-----------|-------------------------------------|
| PRINCIPAL | |
| V/A | <input checked="" type="checkbox"/> |
| D/RA | <input checked="" type="checkbox"/> |
| A/NA | <input type="checkbox"/> |
| DFRP | <input type="checkbox"/> |
| DRNA | <input checked="" type="checkbox"/> |
| DRMSF | <input type="checkbox"/> |
| DE | <input type="checkbox"/> |
| ML | <input type="checkbox"/> |
| OL | <input checked="" type="checkbox"/> |
| FILE | |

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

May 19, 1983

RE: DOCKET NO. 50-329-330
 MIDLAND PLANT - UNITS 1 AND 2
 THIRD PARTY CONSTRUCTION
IMPLEMENTATION OVERVIEW

Stone & Webster Michigan, Inc., forwarded to your attention on April 11, 1983 resumes and signed affidavits for most of its proposed team members. Signed affidavits for Messrs. S. B. Baranow and J. Chawla were not available at that time.

In accordance with the direction provided to Mr. C. F. Sundstrom of our offices on April 6, 1983 by Mr. James Miller, the two missing affidavits are now being forwarded to you.

Mr. Baranow is replacing Mr. W. MacKay and Mr. Chawla is replacing Mr. J. Hannwacker.

If you have any questions, please contact Mr. C. F. Sundstrom at (617) 589-2780.

Very truly yours,

P. A. Wild
 P. A. Wild
 Vice President

Enclosures

8205240223

MAY 20 1983

Figure 3-1

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION
ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

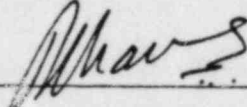
Docket No. 50-329 OM
50-330 OM
Docket No. 50-329 OL
50-330 OL

April 1, 1983

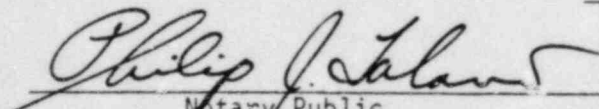
AFFIDAVIT OF J. P. Chawla

My name is J. P. Chawla. I am employed by Stone & Webster Engineering Corporation as Designer, Electrical Division

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 

Sworn and Subscribed Before Me This 7th Day of April 1983


Notary Public

PHILIP J. TALANO
Notary Public, State of New York
No. 52-3927175
Qualified in Suffolk County

My Commission Expires Commission Expires March 30, 1985

Figure 3-1

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No. 50-329 OM
50-330 OM
Docket No. 50-329 OL
50-330 OL

AFFIDAVIT OF S. W. BAZANOW

My name is S. W. BAZANOW. I am employed by STONE & WEBSTER
ENGINEERING CORPORATION as ASST MANAGER FDC.

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 S. W. Bazanow

Sworn and Subscribed Before Me This 27th Day of APRIL, 1983

Ronald J. Kowalski
Notary Public

RONALD J. KOWALSKI

Notary Public, New York

Qualification No. 4688996

My Commission Expires MARCH 30, 1985

My Commission Expires MARCH 30, 1985



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

sent to DMB
1/14/83

Handwritten notes and a stamp area. Includes a checkmark, the name 'LHS', and a date '1/13'.

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

April 11, 1983

J.O. No. 14358

RE: DOCKET NO. 50-329-330
MIDLAND PLANT - UNITS 1 AND 2
THIRD PARTY CONSTRUCTION
IMPLEMENTATION OVERVIEW

Stone & Webster Michigan, Inc. has determined that the Corporation and the individual members of the proposed Third Party Construction Implementation Overview Team satisfy the requirements for independence.

In particular it has been determined that the Corporation and team members satisfy the following criteria:

- The Corporation or individuals proposed for this work do not have any direct previous involvement with Midland activities that they will be reviewing.
- The Corporation or individuals proposed for this work have not been previously hired by the Owner to perform design, engineering, construction or quality work relative to the Construction Completion Program.
- The individuals proposed for this work do not have present household members employed by the Owner.
- The individuals proposed for this work do not have any relative employed by the Owner in a management capacity.
- The Corporation and individual proposed for this work do not control a significant amount of Owner stock.

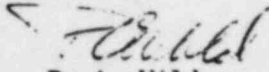
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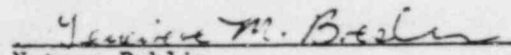
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April 11, 1983

Attached are signed affidavits for each proposed member of the Team. If you have any questions, please contact Mr. C. F. Sundstrom at (617) 589-2780.


P. A. Wild
Vice President

Sworn and subscribed to before me on this 11th day of April, 1983.


Notary Public
Suffolk County Massachusetts
My Commission Expires January 23, 1987

cc: H. R. Denton, NRC (w/att)

Figure 3-1

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No. 50-329 OM
50-330 OM
Docket No. 50-329 OL
50-330 OL

April 1, 1983

AFFIDAVIT OF W. MACKAY

My name is W. MACKAY. I am employed by Stone & Webster Engineering Corporation as PROGRAM MANAGER.

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 W. Mackay

Sworn and Subscribed Before Me This 8 Day of April 1983

Suzanne M. Battista
Notary Public

My Commission Expires My Commission Expires May 5, 1989

Figure 3-1

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No. 50-329 OM
50-330 OM
Docket No. 50-329 OL
50-330 OL

April 1, 1983

AFFIDAVIT OF C.O. Richardson

My name is C.O. Richardson. I am employed by Stone & Webster Engineering Corporation as Engineering Manager.

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 *C.O. Richardson*

Sworn and Subscribed Before Me This 7th Day of April 1983

Suzanne M. Battista
Notary Public

My Commission Expires My Commission Expires May 5, 1989

Figure 3-1

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No. 50-329 OM
50-330 OM
Docket No. 50-329 OL
50-330 OL

April 1, 1983

AFFIDAVIT OF N. B. CLEVELAND

My name is N. B. CLEVELAND. I am employed by Stone & Webster Engineering Corporation as DEPUTY DIRECTOR OF CONSTRUCTION.

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 N. B. Cleveland

Sworn and Subscribed Before Me This 7 Day of April 1983

Suzanne M. Battikha
Notary Public

My Commission Expires _____
My Commission Expires May 5, 1989

Figure 3-1

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No. 50-329 OM
50-330 OM
Docket No. 50-329 OL
50-330 OL

April 1, 1983

AFFIDAVIT OF G. M. SCHIERBERG

My name is G. M. SCHIERBERG. I am employed by Stone & Webster Engineering Corporation as MANAGER, PROCUREMENT QUALITY ASSURANCE.

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 *G. M. Schierberg*

Sworn and Subscribed Before Me This 7 Day of April 1983

Susanne M. Battista
Notary Public

My Commission Expires My Commission Expires May 5, 1989

Figure 3-1UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No. 50-329 OM
50-330 OM
Docket No. 50-329 OL
50-330 OL

April 1, 1983

AFFIDAVIT OF M. GIANNATTASIO

My name is M. GIANNATTASIO. I am employed by Stone & Webster Engineering Corporation as ASST. CHIEF ELECTRICAL ENGINEER.

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 M. Giannattasio

Sworn and Subscribed Before Me This 1 Day of April 1983

Suzanne M. Battista
Notary Public

My Commission Expires My Commission Expires May 5, 1989

Figure 3-1

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No. 50-329 OM
50-330 OM
Docket No. 50-329 OL
50-330 OL

April 1, 1983

AFFIDAVIT OF E. A. LONG

My name is E. A. LONG. I am employed by Stone & Webster Engineering Corporation as ASSISTANT ENGINEERING MANAGER.

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 *Eugene C. Long*

Sworn and Subscribed Before Me This 7 Day of April 1983

Suzanne M. Battikka
Notary Public

My Commission Expires _____
My Commission Expires May 5, 1983

Figure 3-1

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION
ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No. 50-329 OM
50-330 OM
Docket No. 50-329 OL
50-330 OL

April 1, 1983

AFFIDAVIT OF JAMES CAVELL THOMPSON

My name is James Cavell Thompson. I am employed by Stone & Webster Engineering Corporation as Superintendent of FQC.

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 JC Thompson

Sworn and Subscribed Before Me This 7th Day of April 1983

Elizabeth T. Chetney
Notary Public

Elizabeth T. Chetney #4632172
Notary Public - State of New York
County of Oswego

My Commission Expires March 30, 1984

Figure 3-1

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No. 50-329 OM
50-330 OM
Docket No. 50-329 OL
50-330 OL

April 1, 1983

AFFIDAVIT OF W. D. MILLER

My name is W. D. Miller. I am employed by Stone & Webster Engineering Corporation as INSPECTION SUPERVISOR.

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 W.D. Miller

Sworn and Subscribed Before Me This 8th Day of April 1983

Carol Eliacono
Notary Public

NOTARY PUBLIC

My Commission Expires My Commission Expires March 31, 1984

RICK SCALLON

B3-4220700-LP249J

1-0

Figure 3-1

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No. 50-329 OM
50-330 OM
Docket No. 50-329 OL
50-330 OL

April 1, 1983

AFFIDAVIT OF Richard S. Scallon

My name is Richard S. Scallon. I am employed by Stone & Webster Engineering Corporation as Senior Q.C. 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 Richard S. Scallon

Sworn and Subscribed Before Me This 6th Day of April 1983

William Paul Amore
Notary Public

My Commission Expires at death

Figure 3-1

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No. 50-329 OM
50-330 OM
Docket No. 50-329 OL
50-330 OL

April 1, 1983

AFFIDAVIT OF J. R. LANGSTON

My name is J.R. LANGSTON. I am employed by Stone & Webster Engineering Corporation as INSPECTION SUPERVISOR.

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 J.R. Langston

Sworn and Subscribed Before Me This 2nd Day of April 1983

Jacqueline A. Ivone
Notary Public

JACQUELINE A. IVONE
NOTARY PUBLIC, State of New York
No. 011V4601469, Suffolk County
Term Expires March 30, 1984

My Commission Expires 3-30-84

Figure 3-1

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION
ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No. 50-329 OM
50-330 OM
Docket No. 50-329 OL
50-330 OL

April 1, 1983

AFFIDAVIT OF Albert A. Smith

My name is Albert A. Smith. I am employed by Stone & Webster Engineering Corporation as Control Systems Engineer.

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 Albert A. Smith

Sworn and Subscribed Before Me This 1st Day of April 1983

Philip J. Talamo
Notary Public

PHILIP J. TALAMO
Notary Public, State of New York
No. 32-3927175
Qualified in Suffolk County

My Commission Expires Commission Expires March 30, 1985

Figure 3-1UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No. 50-329 OM
50-330 OM
Docket No. 50-329 OL
50-330 OL

April 1, 1983

AFFIDAVIT OF J. HANNWACKER

My name is JOSEPH HANNWACKER. I am employed by Stone & Webster Engineering Corporation as ELECTRICAL ENGINEER.

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 Joseph Hannwacker

Sworn and Subscribed Before Me This 4TH Day of April 1983

Felix J. Colangelo
Notary Public

FELIX J. COLANGELO
Notary Public, State of New York
No. 30-4766212
Qualified in Nassau County
Commission Expires March 30, 1984

My Commission Expires MARCH 30, 1984

Figure 3-1

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No. 50-329 OM
50-330 OM
Docket No. 50-329 OL
50-330 OL

April 1, 1983

AFFIDAVIT OF F. BEARHAM

My name is FRED BEARHAM. I am employed by Stone & Webster Engineering Corporation as C.A. ENGINEER.

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 F. Bearham

Sworn and Subscribed Before Me This 8TH Day of April 1983

Jacqueline A. Ivone
Notary Public

JACQUELINE A. IVONE
NOTARY PUBLIC, State of New York
No. 011X4601469, Suffolk County
Term Expires March 30, 1984

My Commission Expires 3-30-84

Figure 3-1

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No. 50-329 OM
50-330 OM
Docket No. 50-329 OL
50-330 OL

April 1, 1983

AFFIDAVIT OF W.F. Sienkiewicz

My name is W.H. Sienkiewicz. I am employed by Stone & Webster Engineering Corporation as Assistant District Manager, PQA.

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 Walter H. Sienkiewicz

Sworn and Subscribed Before Me This ___ Day of April 1983

Alma R. Willits
Notary Public

ALMA R. WILLITS, Notary Public
Northampton Twp., Bucks Co.
My Commission Expires March 14, 1985

My Commission Expires _____



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

~~CFW~~
② file

FEB 24 1983

Docket No. 50-329
Docket No. 50-330

Consumers Power Company
ATTN: Mr. James W. Cook
Vice President
Midland Project
1945 West Parnall Road
Jackson, MI 49201

Gentlemen:

We have reviewed your proposal to have the Stone and Webster Corporation (S&W) perform the third party independent assessment of the soils remedial work activities.

The staff has received sworn statements from the S&W Corporation and from the key S&W personnel (Attachments A and B respectively) attesting to corporate and individual independence.

The staff has also reviewed a letter, J. E. Brunner to W. D. Paton, dated November 15, 1982 (Attachment C) which describes the contracts undertaken by S&W for the Consumers Power Company and indicates that S&W or its subsidiaries have no holdings of Consumers Power Company stocks. The attachments to this letter have been subsequently notarized.

The staff has considered the qualifications of both the S&W organization and the individuals proposed as team members to conduct the independent review of Consumers Power Company's management of the Midland soil project. Inputs to this review included the information supplied in the above submittals, the staff's existing knowledge of S&W performance at other nuclear power plants and information as to S&W personnel competence.

Our evaluation of these documents revealed that the competence and independence criteria have been met as set forth in Chairman Palladino's letter to Congressmen Ottinger and Dingell of February 1, 1982.

Based on our reviews we have determined that the S&W Corporation is an acceptable organization to perform the third party assessment of the soils remedial work; however, the scope of the S&W assessment should be broadened to include the following:

83636/0668

- (1) Provide a QA overview and assessment of the design work packages to ensure accuracy and adequacy.
- (2) Provide a QA overview and assessment of the QC inspector requalification and certification program.
- (3) Provide a QA overview and assessment of the training conducted for all personnel in the soils remedial work effort.
- (4) Expand the work contract to include an assessment of all underpinning work on safety-related structures on which underpinning work is done while your contract with Stone and Webster is in effect.

In addition, the Midland Section has reviewed Consumers Power Company's performance regarding the installation of Piers W12 and E12 and has concluded that no major discrepancies were identified during this work (Memorandum, R. Landsman to R. F. Warnick, dated 2/15/83, Attachment D).

Stone and Webster in their letter dated February 14, 1983 (Attachment E) also indicated that no major performance problems have been identified. They have stated that in their opinion additional underpinning work could be released for construction.

Based on the inclusion of the previously described contract changes, your performance record regarding Piers W12 and E12, and the acceptability of the Stone and Webster Corporation as the third party independent reviewer, we conclude that underpinning activities of safety-related structures may proceed. Please submit documentation of the expansion of the third party assessment to include the four areas identified above. The work activities will be authorized in accordance with the approved NRC/CPCo Work Authorization Procedure.

Should you have any questions regarding this letter please contact Mr. R. F. Warnick of my staff.

Sincerely,

Original signed by
A. Bert Davis

James G. Keppler
Regional Administrator

Enclosures: As stated

cc w/encl:
See attached distribution list

*concurrance
by telephone*

| | | | | | | |
|---------|---------|---------|-------|-------|---------|----------|
| OFFICE | R111 | | | | | |
| SURNAME | Shaffer | Warnick | Lewis | Davis | Keppler | Eisenhut |
| DATE | 2/22/83 | | 2/22 | 2/22 | 2/22/83 | 2/23/83 |

cc w/encl:

DMB/Document Control Desk (RIDS)

Resident Inspector, RIII

The Honorable Charles Bechhoefer, ASLB

The Honorable Jerry Harbour, ASLB

The Honorable Frederick P. Cowan, ASLB

The Honorable Ralph S. Decker, ASLB

William Paton, ELD

Michael Miller

Ronald Callen, Michigan

Public Service Commission

Myron M. Cherry

Barbara Stamiris

Mary Sinclair

Wendell Marshall

Colonel Steve J. Gadler (P. E.)



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

| PRINCIPAL STAFF | |
|-----------------|------|
| 1/13 | 1/13 |
| 1/13 | 1/13 |
| 1/13 | 1/13 |
| 1/13 | 1/13 |
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| 1/13 | 1/13 |
| 1/13 | 1/13 |

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

February 14, 1983

J.O. No. 14358
 MPS-7

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

Consumers Power Company Specification CC-100 originally issued on September 20, 1982, sets forth the criteria for independence for the Assessment Team. Stone & Webster Michigan, Inc., determined that the Corporation and the individual members of the Team satisfy the requirements of the Specification. We have also determined that our subcontractor, Parsons Brinckerhoff Michigan Inc. meet these requirements as set forth in a letter signed by Thomas R. Kuessel, Senior Vice President of Parson Brinckerhoff Michigan Inc., dated November 4, 1981.

In particular both Corporations satisfy the following criteria:

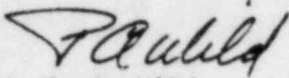
- The Corporations or individuals assigned to this work do not have any direct previous involvement with Midland activities that they will be reviewing.
- The Corporations or individuals assigned to this work have not been previously hired by the Owner to perform design, construction, or quality work relative to the soils remedial program.
- The individuals assigned to this work have not been previously employed by the Owner within the last 3 years.
- The individuals assigned to this work do not have present household members employed by the Owner.
- The individuals assigned to this work do not have any relatives employed by the Owner in a management capacity.
- The Corporations and individuals assigned to this work do not control a significant amount of Owner stock.

BX214358-4
 83022301

FEB 15 1983

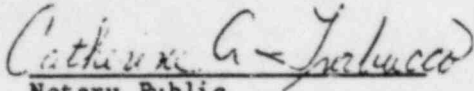
February 14, 1983

Under separate cover we are sending signed affidavits for each member of the Assessment Team. If you have any questions, please contact Mr. A. Stanley Lucks at (617) 589-2067.



P. A. Wild
Vice President

Sworn and subscribed to before me on this 14th day of February, 1983.



Notary Public
Suffolk County Massachusetts
My Commission Expires November 8, 1985.

Catherine Trabucco

NOTARY PUBLIC

For the Commonwealth of Massachusetts
My Commission Expires Nov. 8, 1985

| PRINCIPAL STAFF | |
|-----------------|------------|
| ✓ | APR 2 1983 |
| DR/ | 13 |
| SA/ | |
| MS/ | |
| DE/ | |
| DEP | |
| OL | |



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

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

February 15, 1983
 J.O. NO. 14358
 MPS-9

RE: DOCKET NO. 50-329/330
 MIDLAND PLANT - UNITS 1 AND 2
 INDEPENDENT ASSESSMENT OF AUXILIARY BUILDING UNDERPINNING
 ASSESSMENT OF WORK ON PIERS W12 AND E12
TEAM MEMBER AFFIDAVITS

Enclosed with this letter are signed affidavits for the Stone & Webster and Parsons Brinckerhoff Assessment Team members.

If you have any questions with respect to these affidavits please call me at (617) 589-2067.

A.S. Lucke
 Project Manager

ASL:PJC

~~2302230165~~

FEB 16 1983

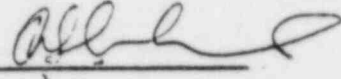
UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2

Docket No. 50-329 OM
50-330 OM
Docket No. 50-329 OL
50-330 OL

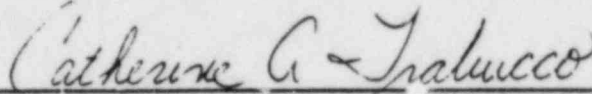
February 14, 1983

AFFIDAVIT OF 

My name is A.S. Lucks. I am employed by Stone & Webster Engineering Corporation as Project Manager.

I am currently assigned to the team which is conducting an independent assessment of soils work 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, Bechtel, or the Mergentime Company relating to soils of underpinning. I have never been employed by Consumers Power Company, Bechtel, or Mergentime Company. I do not own any shares of Consumers Power Company, Bechtel, or Mergentime 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, Bechtel, or Mergentime 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, Bechtel, or Mergentime Company.

Sworn and Subscribed Before Me This 14th Day of February 1983



Notary Public
Suffolk County, Massachusetts

My Commission Expires November 8, 1985

Catherine Trabucco
NOTARY PUBLIC

For the Commonwealth of Massachusetts
My Commission Expires Nov. 8, 1985

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2

Docket No. 50-329 OM
50-330 OM
Docket No. 50-329 OL
50-330 OL

February 14, 1983

AFFIDAVIT OF W. E. Kilker

My name is W.E. Kilker. I am employed by Stone & Webster Engineering Corporation as Project Engineer.

I am currently assigned to the team which is conducting an independent assessment of soils work 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, Bechtel, or the Mergentime Company relating to soils of underpinning. I have never been employed by Consumers Power Company, Bechtel, or Mergentime Company. I do not own any shares of Consumers Power Company, Bechtel, or Mergentime 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, Bechtel, or Mergentime 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, Bechtel, or Mergentime Company.

Sworn and Subscribed Before Me This 14th Day of February 1983

Catherine A. Trabucco

Notary Public
Suffolk County, Massachusetts

My Commission Expires November 8, 1985

Catherine Trabucco
NOTARY PUBLIC

For the Commonwealth of Massachusetts
My Commission Expires Nov. 8, 1985

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No 50-329 OM
50-330 OM
Docket No 50-329 OL
50-330 OL

February 11, 1983

AFFIDAVIT OF

Paul F Barry

My name is PAUL F BARRY. I am employed by STONE & WEBSTER ENGINEERING CORP.
as a STRUCTURAL ENGINEER

I am currently assigned to the team which is conducting an independent assessment of soils work 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, Bechtel, or the Mergentime Company relating to soils or underpinning. I have never been employed by Consumers Power Company, Bechtel, or Mergentime Company. I do not own any shares of Consumers Power Company, Bechtel, or Mergentime 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, Bechtel, or Mergentime 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, Bechtel, or Mergentime Company.

Sworn and Subscribed Before Me This 11th Day of Feb 1983 AP

Patricia A Puffer

Notary Public

Jackson County, Michigan

Bay

My Commission Expires 3-4-86

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No 50-329 OM
50-330 OM
Docket No 50-329 OL
50-330 OL

February 11, 1983

AFFIDAVIT OF

A.B. Scott

My name is A.B. Scott. I am employed by Stone & Webster
as Engineer.

I am currently assigned to the team which is conducting an independent assessment of soils work 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, Bechtel, or the Mergentime Company relating to soils or underpinning. I have never been employed by Consumers Power Company, Bechtel, or Mergentime Company. I do not own any shares of Consumers Power Company, Bechtel, or Mergentime 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, Bechtel, or Mergentime 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, Bechtel, or Mergentime Company.

Sworn and Subscribed Before Me This 14th Day of Feb 1983

Patricia A. Luffer
Notary Public

Bay
Jackson County, Michigan

My Commission Expires 3-4-86

I was employed by Bechtel Corporation from March 1951 to July 1968 and from June 1972 to September 1976. MS

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No 50-329 OM
50-330 OM
Docket No 50-329 OL
50-330 OL

February 11, 1983

AFFIDAVIT OF Lawrence T. Rouen

My name is Lawrence T. Rouen I am employed by Stone and Webster Engr.' Corp.
as Senior Quality Assurance Engineer.

I am currently assigned to the team which is conducting an independent assessment of soils work 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, Bechtel, or the Mergentime Company relating to soils or underpinning. I have never been employed by Consumers Power Company, Bechtel, or Mergentime Company. I do not own any shares of Consumers Power Company, Bechtel, or Mergentime 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, Bechtel, or Mergentime 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, Bechtel, or Mergentime Company.

Sworn and Subscribed Before Me This 11th Day of Feb. 1983 ¹⁹⁸³

Patricia A. Lupp
Notary Public

Bay
Jackson County, Michigan

My Commission Expires 3-4-86

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION
ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No. 50-329 OM
50-330 OM
Docket No. 50-329 OL
50-330 OL

February 11, 1983

AFFIDAVIT OF _____

Barry L. Holsinger
My name is Barry L. Holsinger. I am employed by Stone & Webster
as QA Engineer.

I am currently assigned to the team which is conducting an independent assessment of soils work 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, Bechtel, or the Mergentime Company relating to soils or underpinning. I have never been employed by Consumers Power Company, Bechtel, or Mergentime Company. I do not own any shares of Consumers Power Company, Bechtel, or Mergentime 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, Bechtel, or Mergentime 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, Bechtel, or Mergentime Company.

Sworn and Subscribed Before Me This 11th Day of February 1983

Nancy S. Noble

Notary Public

My Commission Expires _____

NANCY S. NOBLE
Notary Public in the State of New York
Qualified in Oncon. Co. No. 34-25977
My Commission Expires March 30, 1983

TRK

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION
ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No 50-329 OI
50-330 OI
Docket No 50-329 OL
50-330 OL

February 11, 1983

AFFIDAVIT OF Thomas R. Kuesel

My name is Thomas R. Kuesel. I am employed by Parsons Brinckerhoff Quade & Douglas, Inc. as Senior Vice President.

I am currently assigned to the team which is conducting an independent assessment of soils work 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, Bechtel, or the Mergentime Company relating to soils or underpinning. I have never been employed by Consumers Power Company, Bechtel, or Mergentime Company. I do not own any shares of Consumers Power Company, Bechtel, or Mergentime 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, Bechtel, or Mergentime 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, Bechtel, or Mergentime Company.

Sworn and Subscribed Before Me This 14 Day of Feb ¹⁹⁸³ 1982

James S. Boyd
Notary Public
Jackson County, Michigan
NOTARY PUBLIC
No. 31-40
Commission Expires March 30, 1983

* From 1963 to 1967 I was employed by Parsons Brinckerhoff-Tudor-Bechtel, General Engineering Consultants for design and construction management of the San Francisco Bay Area Rapid Transit System, in the capacity of Assistant Manager of Engineering.

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION
ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No 50-329 OEI
50-330 OEI
Docket No 50-329 OL
50-330 OL

February 11, 1983

AFFIDAVIT OF Louis G. Silano

My name is Louis G. Silano I am employed by Parsons Brinckerhoff Quade & Douglas, Inc.
as Technical Director.

Major Structures

I am currently assigned to the team which is conducting an independent assessment of soils work 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, Bechtel, or the Mergentime Company relating to soils or underpinning. I have never been employed by Consumers Power Company, Bechtel, or Mergentime Company. I do not own any shares of Consumers Power Company, Bechtel, or Mergentime 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, Bechtel, or Mergentime 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, Bechtel, or Mergentime Company.

Sworn and Subscribed Before Me This 14 Day of Feb 1983

James A. Boyd
Notary Public
Jackson County, Michigan
My Commission Expires _____
JAMES G. BOYD
NOTARY PUBLIC, State of New York
Qualified in New York State by
Commission Expires March 20, 1983

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

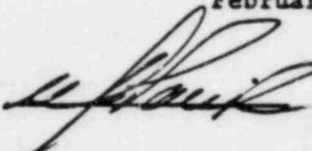
ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No 50-329 OM
50-330 OM
Docket No 50-329 OL
50-330 OL

February 11, 1983

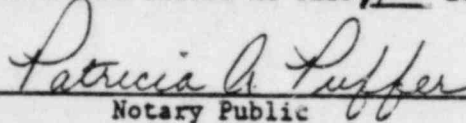
AFFIDAVIT OF



My name is W.C. PARISH. I am employed by Parsons Brinckerhoff Quade & Douglas
as Structural Engineer.

I am currently assigned to the team which is conducting an independent assessment of soils work 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, Bechtel, or the Mergentime Company relating to soils or underpinning. I have never been employed by Consumers Power Company, Bechtel, or Mergentime Company. I do not own any shares of Consumers Power Company, Bechtel, or Mergentime 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, Bechtel, or Mergentime 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, Bechtel, or Mergentime Company.

Sworn and Subscribed Before Me This 11th Day of Feb 1983



Notary Public

~~Jackson~~ Bay County, Michigan

My Commission Expires 3-4-86

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No 50-329 OM
50-330 OM
Docket No 50-329 OL
50-330 OL

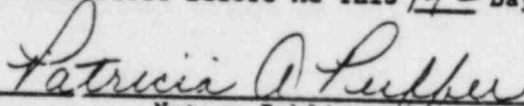
February 11, 1983

AFFIDAVIT OF 

My name is Jerrold Ratner. I am employed by Parsons Brinckerhoff, Quade and Douglas
as Manager, Construction.

I am currently assigned to the team which is conducting an independent assessment of soils work 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, Bechtel, or the Mergentime Company relating to soils or underpinning. I have never been employed by Consumers Power Company, Bechtel, or Mergentime Company. I do not own any shares of Consumers Power Company, Bechtel, or Mergentime 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, Bechtel, or Mergentime 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, Bechtel, or Mergentime Company.

Sworn and Subscribed Before Me This 14th Day of Feb 1983


Notary Public

~~Jackson~~ Bay
County, Michigan

My Commission Expires 3-4-86

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION
ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
CONSUMERS POWER COMPANY
(Midland Plant, Units 1 and 2)

Docket No 50-329 OM
50-330 OM
Docket No 50-329 OL
50-330 OL

February 11, 1983

AFFIDAVIT OF Vincent J. Madill

My name is Vincent J. Madill I am employed by Parsons Brinckerhoff Quade & Douglas, Inc.
as Senior Engineer.

I am currently assigned to the team which is conducting an independent assessment of soils work 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, Bechtel, or the Mergentime Company relating to soils or underpinning. I have never been employed by Consumers Power Company, Bechtel, or Mergentime Company. I do not own any shares of Consumers Power Company, Bechtel, or Mergentime 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, Bechtel, or Mergentime 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, Bechtel, or Mergentime Company.

Sworn and Subscribed Before Me This 14 Day of FEB 1983

James S. Boyd

Notary Public
Jackson County, Michigan

My Commission Expires

JAMES S. BOYD
NOTARY PUBLIC, State of New York
No. 31477-01
Qualified in New York County
Commission Expires March 30, 1983



COPY

ATTACHMENT C

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Vice President
and General Counsel

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Allen B Bass
O K Peterson
William E Wisner
Managing Attorneys

Robert J Evans
Howard S Clark
Stanley E Hagen
Senior Attorneys

Francis X Barkemeyer
J E Brunner
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H Richard Chambers
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James H Dempsey
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Kevin P Duffy
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Laurene H Horvath
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Wayne A Kirkov
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General Offices: 212 West Michigan Avenue, Jackson, MI 49201 • (517) 788-0550

November 15, 1982

| PRINCIPAL STAFF | | | |
|-----------------|--|------|---------|
| DA | | OL | |
| BA | | ONE | |
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| OS | | SLO | |
| ESTP | | | |
| CL | | FILE | 100 |

William D Paton
Counsel for the NRC Staff
U S Nuclear Regulatory Commission
Washington, DC 20555

MIDLAND NUCLEAR COGENERATION PLANT
MIDLAND DOCKET NOS 50-329, 50-330
STONE & WEBSTER (S&W)

Recently, questions have been raised concerning the use of the Stone and Webster Company (S&W) to conduct an appraisal of underpinning of the Midland auxiliary building. A public meeting regarding these issues, among others, was conducted in Washington on November 5, 1982.

During that meeting, representatives of the NRC Staff asked certain questions touching upon the independence of the Stone and Webster Company. To respond more fully to these questions, Consumers asked Stone & Webster to describe jobs undertaken by S&W on behalf of Consumers Power Company and to determine S&W's holdings of Consumers' securities. The attached letter is S&W's response to those questions.

According to the attached letter, Stone & Webster has carried out, and is carrying out, no work for Consumers Power Company in relation to the soils remedial project, other than the present audit. S&W has undertaken two relatively limited assignments not related to soils on behalf of the Midland Project. The letter also indicated that Stone & Webster's or its subsidiaries have no holdings of Consumers Power Company stocks.

James E Brunner
James E Brunner

CC DSHood, NRC
Billie Gardie
OM/OL Service List

B001

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PDR ADOCK 05000329

A
PDR
oc1182-0270a100

NOT REPRODUCED ORIGINAL

D. Hood

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U S Nuclear Regulatory Comm
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Midland, MI 48640



STONE & WEBSTER MICHIGAN, INC.

P.O. BOX 2325, BOSTON, MASSACHUSETTS 02107

November 9, 1982

Mr. John R. Schaub
Project Manager
Consumers Power Company
1945 W. Parnall Road
Jackson, Michigan 49201

Dear Mr. Schaub:

Per your request to Mr. Carl F. Sundstrom I am enclosing a list and description of jobs that Stone & Webster Michigan Inc. has undertaken for Consumers Power Company (CPCo). I am also providing the results of my investigation of our holdings in CPCo securities.

If we can be of further assistance, please call Mr. Carl F. Sundstrom at (617) 389-2780.

Very truly yours,

A handwritten signature in cursive script, appearing to read "P. A. Wild", is written above the typed name.

P. A. Wild
Vice President

| <u>Start Date</u> | <u>End Date</u> | <u>Brief Description</u> | <u>Key Person</u> |
|-------------------|-----------------|---|---------------------------------|
| 3/78 | 12/81 | Review Midland Plant list of equipment and recommend spare parts. | RDewitt RMontross GSleigh |
| 6/78 | 6/80 | Prepare an outage critique report on the Palisades Station second outage and provide planning support for the September, 1979 refueling outage. | KSpencer |
| 11/78 | 6/80 | Procure a mobile security access module to be used for outage work forces at Palisades. | KSpencer |
| 3/82 | 7/82 | Evaluate and make recommendation for training and implementation of the Midland Site Emergency Plan. * | RDoane SHowell WBeckman |
| 9/82 | -- | Perform an independent assessment of construction activities related to the auxiliary building and feedwater isolation valve pit remedial work at the Midland Site. | JCook JMooney JSchaub |
| 10/82 | -- | Provide emergency planning consulting services for the Big Rock Site. | RSindertmann WMiller |
| 10/82 | -- | Perform vibration analysis on the boiler feed pump at the J. H. Campbell Unit 3 and recommend and implement corrective actions. | JFord TMehl GKeller |
| 10/82 | -- | Provide services and materials to coordinate the 1983/84 Palisades refueling outage. | TElwood JSchneider |

* Note - S&W did the review but NUTECK who was already working in Michigan for Detroit Edison at the Fermi Station is doing the detailed planning.

HOLDINGS OF CFCO SECURITIES

Stone & Webster, Inc., the parent company of Stone & Webster Engineering Corporation and its subsidiaries (including SWEC) have no holdings of CFCO securities. The Employee Savings Plan of Stone & Webster, Incorporated and participating subsidiaries is administered by the Chase Manhattan Bank, N.A. as trustee. Funds may be invested in the Employee Benefit Investment Funds, Equity Fund of the Chase Manhattan Bank which is a commingled fund. Stone & Webster exercises no direct control over the investment of such funds.

The Chemical Bank of New York is trustee for the Employee Retirement Plan of Stone & Webster, Inc. and for participating subsidiaries. There are no CFCO securities held in the plan.

February 15, 1983

MEMORANDUM FOR: R. F. Wernick, Director, Office of Special Cases
 THRU: W. D. Shafer, Chief, Midland Section
 FROM: R. B. Landsman, Reactor Inspector, Midland Section
 SUBJECT: LICENSEE PERFORMANCE ON PIERS 12E and 12W

RIII on December 9, 1982, authorized CPCo to initiate work activities pertaining to the drift, excavation and installation of Piers 12E and 12W. Subsequent to that authorization the licensee began work on December 13, 1982. Due to the Diesel Generator Building Inspection I have had only enough time to perform five inspections to determine the acceptability of the licensee's work in regards to these piers including removal of fill concrete, shaft excavation and bracing, bell excavation and bracing, and reinforcing details and proposed concreting activities.

I have identified three concerns since underpinning work began which have been subsequently corrected or are in the process of being corrected by the licensee. They are:

- a) That the craftworkmen were not receiving the required amount of specialized remedial soils underpinning training. The licensee has agreed to expand the scope of craft training, but does not have the details worked out to date.
- b) That the licensee wanted to use a super plasticizer as an additive to the concrete mix in lieu of good concreting practices, i.e., consolidation by vibration. The licensee after what I consider to be excessive discussions finally agreed to vibrate all underpinning concrete in accordance with good engineering practice.
- c) That the third party independent assessment team is not reviewing the design documents for technical adequacy. They are only doing implementation review to assure that the design documents are being followed. From discussions with Stone and Webster personnel, it was determined that this important parameter was not included in their contract. The licensee is presently considering including this in the contract documents.

Besides these three concerns no other issues or deviations from regulatory requirements have been identified.

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| | | | | | | |
|---------|----------|--------|--|-------------------|--|--|
| OFFICE | RIII | | | R. B. Landsman | | |
| SURNAME | Landsman | Shafer | | Reactor Inspector | | |
| DATE | 02/14/83 | | | | | |

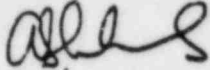
JGK

2

February 14, 1983

Based upon these observations and findings, the Assessment Team is of the opinion that additional piers could be released for construction. This will benefit the quality of the work by allowing the Contractor to maintain the experienced labor teams from piers W12 and E12.

If you have any questions, please contact me at (617) 589-2067.



A.S. Lucks
Project Manager

U.S. NUCLEAR REGULATORY COMMISSION
REGION III

OUTGOING TRANSMISSION SERVICE REQUEST

Date 2/24/83 Number of Pages 2

To (Name): R. F. Warnick

From: Midland

Description Letter - CPCo to Stone + Webster
Letter - CPCo to W.D. Shafer

Air Rights Bldg. _____
E/W Towers _____
H Street _____
MNBB _____
Phillips Bldg. _____
Silver Springs
(Willste Bldg) _____
Landow Bldg. _____
Region I _____
Region II _____
Region IV _____
Region V _____
Resident at _____

NSAC _____
INPO _____

Corporate Office
(Identify recipient & fax number) _____

Other
(Designate-include fax number) _____

| FOR WP & D/C USE | |
|------------------|------------------|
| System 6 (WP) | _____ |
| Rapidfax | _____ |
| 3M Ext #727 | _____ |
| 3M Ext #728 | _____ |
| FTS | _____ |
| Commercial | _____ |
| Time Started | _____ |
| Time Completed | _____ |
| Trans. Time | (Actual Minutes) |
| Operator | _____ |