

54W

January 25, 1984

MEMORANDUM FOR: Region III File

FROM: J. J. Harrison, Chief, Section 2, Midland

SUBJECT: STONE AND WEBSTER; EMPLOYEE INDEPENDENCE
REGARDING MIDLAND

On January 24, 1984, Mr. Paul Amoruso, Project Manager for Stone and Webster, independent third party overviewer for the Consumers Power Company (CPCo) Construction Completion Program (CCP), contacted the NRC to inquire if the established independence criteria had been violated.

Stone and Webster recently hired a field office clerk whose spouse is employed by CPCo as a QC Inspector. This young lady was instructed as to the sensitivity of her position and fully understands the rules of not disclosing CIO information.

In reviewing the independence criteria set forth in the Chairman Palladino letter to Congressmen Ottinger and Dingell with the Regional Counsel (S. Lewis) there is no distinction between technical and non-technical personnel.

However, in reviewing the Stone and Webster CIO program dated April 1, 1983, the rules on disclosure statements and in particular the rule on having members of the immediate family working for CPCo pertain to "...key technical personnel..." only. Further, this program was approved by the NRC on September 29, 1983.

Since this type of position is a local hire, non-technical in nature, and is within the confines of the approved CIO program, the NRC staff concluded that independence criteria was not violated. Stone and Webster (Mr. Amoruso) was so informed.

*Original signed
by J. J. Harrison*

J. J. Harrison, Chief
Section 2, Midland

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Harrison
01/25/84

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See file

JAN 25 1984

Mr. P. Amoruso, Project Manager
Construction Implementation Overview Program
Stone and Webster Michigan, Inc.
P. O. Box 1963
Midland, MI 48640

Mr. S. Lucks, Project Manager
Underpinning and Remedial Soils Overview
Program
Stone and Webster Michigan, Inc.
P. O. Box 1963
Midland, MI 48640

Gentlemen:

The purpose of this letter is to request Stone and Webster to furnish one copy of the weekly reports to the local public document room located at the Grace Dow Memorial Library, 1710 W. St. Andrews Rd., Midland, Michigan 48640, at the same time copies are furnished to the NRC and Consumers Power Company.

The availability of these documents will allow members of the public proper time to prepare for the monthly meetings.

Your cooperation in this matter is appreciated.

Sincerely,

J. J. Harrison, Chief
Section 2, Midland

cc: See attached distribution list

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JJA
Harrison/lb
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STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

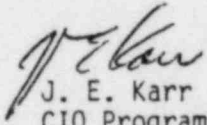
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Mr. J. J. Harrison
Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

January 24, 1984

Subject: DOCKET NO. 50-329/330
MIDLAND NUCLEAR COGENERATION PLANT
RESUMES AND AFFIDAVITS FOR CIO STAFF MEMBERS
SERIAL NO. SWMCP-016

Attached are the signed affidavits and resumes for Mr. K. J. Butler and Mr. G. A. Carter and the resume for Mr. W. G. Dick. As previously documented, these personnel have been assigned to the CIO staff at the Midland Nuclear Plant.


J. E. Karr

CIO Program Manager

Enclosures

JEK/nl

cc: CIO General Files

~~8402030191~~

JAN 30 1984

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 KENNETH J. BUTLER

My name is Kenneth J. Butler. I am employed by Stone & Webster
Michigan, Inc. as Quality Control 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 *Kenneth J. Butler*

Sworn and Subscribed Before Me This 9th Day of January, 1984

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

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 GEORGE A. CARTER

My name is George A. Carter. I am employed by Stone & Webster
Michigan, Inc. 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 George A. Carter

Sworn and Subscribed Before Me This 2nd Day of January, 1984

Patricia A. Puffer
NOTARY PUBLIC

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

My Commission Expires 3-4-86

January, 1984

BUTLER, KENNETH J.

FIELD QUALITY CONTROL
DIVISION

November 21, 1936

Married

EDUCATION

Certificate (1 year 1966) - Mechanical Drafting and Machine Design -
Northeast Institute of Industrial Technology - Boston, Massachusetts
Certificate (1 year 1960) - Plane Geometry and Trigonometry -
Massachusetts Div. University
Extension Courses - Cambridge, Massachusetts
Apprentice Course (1 year 1959) - Mechanical Inspection
John E. Shaw Co. - Derry, N.H.
Graduate - Somerville, Mass. Public School System - 1958
Apprentice Course (1 year 1952) - Machinist - A.M.S. Industries
Cambridge, Mass.

EXPERIENCE SUMMARY

Mr. Butler joined Stone & Webster in August, 1976 as an Inspector Level I in the Field Quality Control Division, assigned to the Shoreham Nuclear Power Station. Mr. Butler was promoted to Inspector Level II, Senior Quality Control Inspector and in October, 1981 to Quality Control Engineer. During this time, his duties included a temporary assignment (18 months) with overall responsibility for inspection of Duquesne Light & Power Co.'s steam generator supports and reactor coolant pump supports which were built for Stone & Webster in Houston, Texas. Returning to the Shoreham Site, Mr. Butler was temporarily assigned to Long Island Lighting Co.'s Quality Assurance Department to coordinate the site's ASME Certification Program and also was involved in the client's Q.A. Program as an Auditor.

Mr. Butler was reassigned to Stone & Webster's As-Built Verification Program at Shoreham in a supervisory position. Upon completion of his Shoreham assignment, Mr. Butler was assigned as Senior Field Quality Control Representative to the Fort St. Vrain Nuclear Power Station Project for a period of four months.

Mr. Butler is currently assigned to the Construction Implementation Overview Program at Midland Nuclear Power Station in Michigan.

Prior to joining Stone & Webster, his experience included 8.5 years at the Massachusetts Institute of Technology's Nuclear Research Reactor and played an important part during a major modification to the reactor. Mr. Butler has over 27 years mechanical experience which includes 14.5 years in nuclear related activities.

PROFESSIONAL AFFILIATIONS

American Society of Quality Control - Member

DETAILED EXPERIENCE RECORD
KENNETH J. BUTLER 11160

STONE & WEBSTER ENGINEERING CORPORATION, BOSTON, MA (August 1976 to Present)

Midland Nuclear Power Station (Jan 1984 to Present)

As QUALITY CONTROL ENGINEER, currently assigned to Stone & Webster Michigan, Inc. Construction Implementation Overview Group.

Temporary Assignment By Stone & Webster To Fort St. Vrain Nuclear Power Station, Colorado (Sept 1983 to Dec 1983)

Overall responsibility for Quality Control during construction of control room addition. Sole Field Quality Control Representative for three months of project.

Shoreham Nuclear Power Station (Dec 1981 to Aug 1983)

As QUALITY CONTROL ENGINEER, assigned to the As-Built Program. Responsible for verification of as-built safety related piping and hangers.

As SENIOR QUALITY CONTROL INSPECTOR (June 1980 to Dec 1981), temporary assignment to LILCO's QA Department. Responsibilities include surveillance of installer's pressure testing program, ASME Certification Program and Auditing.

Temporary Assignment By Stone & Webster To Hahn & Clay, Houston, Texas (March 1979 to June 1980)

INSPECTOR GROUP SUPERVISOR reporting directly to Stone & Webster Q.A. Manager at Plant #2.

Overall responsibility for in-process and final inspection activities pertaining to fabrication of steam generator and reactor coolant pump supports for Duquesne Light & Power Company:

- 1) Supervision of twenty-one (21) Mag. Partical/Visual inspection personnel.
- 2) Supervision of Delta Inspection Ultrasonic Testing Group - one (1) clerk and three (3) teams of inspectors. Total "8"
- 3) Supervision of Microfilming Section.

Stone & Webster Engineering, Shoreham, New York (Aug 1976 to March 1979)

FQC Inspector I - Mechanical - Piping & Welding
FQC Inspector II - 7/25/77 Mechanical - Piping & Welding
FQC Surveillance Inspector assigned to assure the ASME installer meets procedure requirements.
FQC Group assigned to equipment turn-over task force.

KJB

FQC Senior Inspector frequently worked in FQC's calibration laboratory. Currently holding certifications as follows:

- Liquid Penetrant Testing - Level II
- Magnetic Partical Testing - Level II
- Ultrasonic Testing Level II (thickness)
- Thirty-two (32) hour course on Stone & Webster Quality Assurance Audit/Survey Orientation

JOHN E. SHAW COMPANY, DERRY, NH (Nov 1975 to Aug 1976)

MECHANICAL INSPECTOR while awaiting job opening with Stone & Webster. Duties were first piece and final inspection of machine components and assemblies.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY (Apr 1967 to Nov 1975)

PROJECT MACHINIST assigned to the 5 Mw Nuclear Research Reactor located at Cambridge, Mass. Duties included the following:

- 1) Responsible for the building of various components, from sketches, drawings, and specifications, used on research projects at M.I.T.'s Reactor.
- 2) Sole responsibility for the fabrication assembly, inspection and control of nuclear fuel element at M.I.T.
- 3) Responsible for work performed in the "HOT" shop (radioactive material).
- 4) Inspection of components and fuel plates at various vendor sites. Also, most of the inspection and acceptance of mechanical components built during a major modification of the M.I.T. Reactor.
- 5) Authorized to operate the following equipment: Welding Machines, 20 Ton Polor Crane, Rigging of Equipment, Fork Lift Trucks and Material Transporters, Hydrogen Leak Detectors, Mag. Particle and Liquid Penetrant Testing Equipment.
- 6) Writing various procedures required during the major reactor modification.

BOND RESEARCH LABORATORY, INC., SOMERVILLE, MA (1961 to 1965)

All around MACHINIST responsible for fabrication and assembly of various machine tools and prototype, packaging machines. Work included:

- 1) Inspection and debugging during the final assembling process.
- 2) Duties also entailed various welding processes.

R.C.A. BURLINGTON, MA & LAWSON MACHINE CO., MALDEN, MA (1960 to 1961)

Worked as an all around machinist while looking for more secure employment.

KJB

JOHN E. SHAW COMPANY, DERRY, NH (1959 to 1960)

Machinist and Inspector responsible for building all mechanical jigs, fixtures and machine tools.

PARK GEAR AND MACHINE COMPANY (1954 to 1959)

Machinist and Gear Cutter responsible for four (4) men and eighteen (18) machines. Inspected all out-going mechanical power transmission products.

A.M.S. INDUSTRIES (1952 to 1954)

Part time Machinist

January 1984

CARTER, GEORGE A.

INSPECTION SUPERVISOR
FIELD QUALITY CONTROL

EDUCATION

Orange County High School, Orange, Virginia - Diploma 1972
Various Stone & Webster Continuing Education Courses

LICENSES AND REGISTRATIONS

None

EXPERIENCE SUMMARY

Mr. Carter has 11 years experience in Nuclear Power Plant construction in the Field Quality Control (FQC) Division. He is currently assigned to the Construction Implementation Overview Program at the Midland Nuclear Plant, Midland, Michigan.

Previously, as Inspection Supervisor at the Clinch River Site, Mr. Carter was responsible for preparing inspection plans, receipt inspection of CRBRP components, reviewing shipping plans of equipment provided by others, verification of storage and preventive maintenance of equipment, maintaining measuring and test equipment, the FQC Site File, and reviewing specifications.

Since joining Stone & Webster in 1972, Mr. Carter has been assigned to the Clinch River Breeder Reactor Plant Project as Senior Inspector in FQC; North Anna Power Station as Senior Inspector, Inspector II, Inspector I, Technician, and Assistant Technician in the Electrical Department of FQC; Millstone Nuclear Power Station as Inspector I in the Civil and Electrical Departments of FQC; and Beaver Valley Power Station as Inspector I in the Electrical Department of FQC.

Temporary assignments have included inspection of T.M.I. modifications at Point Beach Nuclear Power Plant and independent raceway redundancy inspections at Shoreham Nuclear Power Plant.

PROFESSIONAL AFFILIATIONS

None

PUBLICATIONS

None

DETAILED EXPERIENCE RECORD
CARTER, GEORGE A. 12569

STONE & WEBSTER ENGINEERING CORPORATION, BOSTON, MA (Aug 1972 to Present)

Appointments:

Field Quality Control Inspection Supervisor - May 1982
Senior Field Quality Control Inspector - Oct 1977
Field Quality Control Inspector II - Sept 1976
Field Quality Control Inspector I - March 1974
Field Quality Control Technician - Dec 1972
Field Quality Control Assistant Technician - Aug 1972

Midland Nuclear Cogeneration Plant, Consumers Power Company (Jan 1984 to Present)

As INSPECTION SUPERVISOR, his duties include, but are not limited to, assuring implementation of the construction completion program by systematic evaluation of procedures, instructions, directives, correspondence, specifications and drawings. He is also instrumental in the preparation of checklists, development of checklists applicable to specific project quality control instructions and performance of evaluation and verification of documented inspections and activities.

Clinch River Breeder Reactor Plant Project, U.S. Department of Energy
(May 1982 to Jan 1984)

As INSPECTION SUPERVISOR, responsible for preparing inspection plans, receipt inspection of CRBRP components, reviewing shipping plans of equipment provided by others, verification of storage and preventive maintenance of equipment, maintaining measuring and test equipment, the Field Quality Control Site File, and reviewing specifications.

Shoreham Nuclear Power Station - Unit 1, Long Island Lighting Company (June 1983)

As INSPECTION SUPERVISOR, performed independent raceway redundancy separation inspections.

Point Beach Nuclear Power Plant, Wisconsin Electric Power Company (April 1982 to May 1982)

As SENIOR FIELD QUALITY CONTROL INSPECTOR and FIELD QUALITY CONTROL INSPECTION SUPERVISOR, performed inspections of electrical raceway installations, cable installations, cable meggering, cable terminations, and calibration of crimping tools.

Clinch River Breeder Reactor Plant Project, U.S. Department of Energy
(Nov 1981 to April 1982)

As SENIOR FIELD QUALITY CONTROL INSPECTOR, duties included preparing inspection plans, receipt inspection of CRBRP components, reviewing shipping plans of equipment prepared by others, verification of storage and preventive maintenance of equipment, maintaining measuring and test equipment, the Field Quality Control Site File, and reviewing specifications.

GAC

Point Beach Nuclear Power Plant, Wisconsin Electric Power Company
(Oct 1981 to Nov 1981)

As SENIOR FIELD QUALITY CONTROL INSPECTOR, performed inspections of electrical raceway installations, cable installations, and cable terminations.

Clinch River Breeder Reactor Plant Project, U.S. Department of Energy
(Jan 1980 to Oct 1981)

As SENIOR FIELD QUALITY CONTROL INSPECTOR, duties were the same as listed for the period between November 1981 to April 1982.

North Anna Power Station - Units 1, 2, 3, 4, Virginia Electric and Power Company (Jan 1976 to Jan 1980)

As SENIOR FIELD QUALITY CONTROL INSPECTOR (Oct 1977 to Jan 1980), performed inspections of electrical raceway installations, cable installations, cable terminations, and system inspections for initial and conditional releases. Supervised personnel involved in the handling and processing of documentation, heat tracing inspections, equipment storage and equipment installation.

As FIELD QUALITY CONTROL INSPECTOR II (Sept 1976 to Oct 1977), performed inspections of electrical raceway installations, cable installations, cable termination inspections and system inspections for initial and conditional releases, and heat tracing M.I. cables.

As FIELD QUALITY CONTROL INSPECTOR I (Jan 1976 to Sept 1976), performed inspections of electrical raceway installations and cable installations.

Millstone Nuclear Power Station - Unit 3, Northeast Utilities
(April 1975 to Dec 1975)

As FIELD QUALITY CONTROL INSPECTOR I, performed concrete and soils placement inspections and testing. Inspected electrical embedments before concrete placement.

Beaver Valley Power Station - Unit 1, Duquesne Light Power Company
(Aug 1974 to April 1975)

As FIELD QUALITY CONTROL INSPECTOR I, performed inspections of electrical raceway installations, cable installations, cable termination inspections, installation inspection of heat tracing M.I. cables, and the inspection of welding on electrical equipment.

North Anna Power Station - Units 1, 2, 3, 4, Virginia Electric and Power Company (Aug 1972 to July 1974)

As FIELD QUALITY CONTROL INSPECTOR I (March 1974 to July 1974), performed inspections of electrical raceway installations and cable installations.

GAC

As FIELD QUALITY CONTROL TECHNICIAN (Dec 1972 to March 1974), performed inspections of electrical raceway installations and cable installations.

As FIELD QUALITY CONTROL ASSISTANT TECHNICIAN (Aug 1972 to Dec 1972), participated and received training in an in-depth training program on the installation and inspection of electrical raceway and cables. Performed inspections of electrical raceway installations and cable installations.

NAME: W. GORDON DICK

December, 1983

DATE OF BIRTH: January 20, 1943

British Citizen

EDUCATION

Master of Science - Mechanical Engineering - 1966 (Thermodynamics)
University of Birmingham, England
Bachelor of Science - Mechanical Engineering - 1965 Royal College of
Science & Technology, Scotland
Higher National Certificate - Mechanical Engineering - 1963 Kilmarnock
Technical College, Scotland
Successful Completion of Pipefitter Apprenticeship - 1963 Glenfield &
Kennedy Ltd., Kilmarnock, Scotland
Ayr Academy - Ayr, Scotland - 1959 High School

LICENSES AND REGISTRATIONS

None

PROFESSIONAL AFFILIATIONS

None

PAPERS AND PUBLICATIONS

Design Criteria for Plasma Jet Total Head Enthalpy Calorimeter - 1966
(University of Birmingham)

Analog Transient Studies of a Point Reactor Core - 1965 (Royal College
of Science & Technology)

EXPERIENCE SUMMARY

Stone & Webster Engineering Corporation, Boston, MA (May 1974 to Present)

Midland Nuclear Cogeneration Plant, Consumer Power Company (November 1983 to
present)

As CONSULTANT assigned to the Third Party Construction Implementation
Overview Task Force Team required to independently evaluate the
implementation and effectiveness of the Consumers Power Company Con-
struction Completion Program.

Shoreham Nuclear Power Station Long Island Lighting Company (November 1982
to November 1983)

As ASSISTANT SUPERINTENDENT OF CONSTRUCTION responsible to the Long Island
Lighting Company Director of Nuclear to Manage and coordinate various
Task Force Efforts concentrating on plant completion, licensing concerns,
Open Nuclear Regulatory Commission Inspection items, and post fuel load outage
and maintenance management methods. Tasks included resolution of Nuclear
Regulatory Commission readiness assessment team evaluation concerns,
development and implementation of a Quality Accountability Program, seismic
equipment field evaluation, programmatic development of controls and validation

of the composite component list and review of procedures and methods relating to effective maintenance management methods after fuel load.

Shoreham Nuclear Power Station Long Island Lighting Company (November 1980 to November 1982)

As ASSISTANT SUPERINTENDENT OF CONSTRUCTION responsible for all electrical field construction work performed at Shoreham. Direct a construction management staff of approximately 35 field supervisor, engineers and administrative personnel and electrical contractor manual forces on a multiple shift basis, of approximately 400 craftsmen.

Shoreham Nuclear Power Station Long Island Lighting Company (May 1980 to November 1980)

As ASSISTANT SUPERINTENDENT OF CONSTRUCTION responsible for preparation and tracking all construction schedules. Also performed planning interface functions with management, construction disciplines, engineering, Quality Control, Start-up and Cost Engineering Departments. Developed comprehensive computerized problem tracking system to identify field problems promptly, for resolution. Directed a staff of eight to twelve Planning Engineers.

Shoreham Nuclear Power Station Long Island Lighting Company (September 1979 to May 1980)

As ASSISTANT SUPERINTENDENT OF CONSTRUCTION performed a special assignment relating to an external audit. Reported to Utility Vice President of Projects. Also, provided assistance with project rescheduling. Specific duties included preparation of chronological reports, monitoring preparation of electrical and multi-discipline area schedules and providing written proposals for implementing schedule control program.

River Bend Nuclear Power Station Gulf States Utilities Company (June 1979 to September 1979)

As ASSISTANT SUPERINTENDENT OF CONSTRUCTION reported to Superintendent of Construction and was responsible for piping and mechanical disciplines on a force account basis. Assisted with initial planning and mobilization phase of this project, directing three construction supervisors, one engineer and 20 to 30 craftsmen in the performance of their duties. Initial work included installation of circulating water piping, control building embedded drain piping, temporary service piping and receipt/repair of condenser tube modules and turbine generator components.

Forked River Nuclear Power Station GPII Service Corporation (June 1978 to June 1979)

As ASSISTANT SUPERINTENDENT OF CONSTRUCTION reported to Superintendent of Construction and was responsible for all work performed in the reactor building area. Directed supervisors, engineers and contractors in the performance of their duties. Directed major substructure contractor to successful and timely completion of the reactor building mat at least two weeks ahead of schedule milestone incentive objective.

Directed liner contractor in successful field fabrication and installation of reactor cavity liner and initial containment wall modules. Also participated in contract negotiations for reactor containment external wall rebar installation. Contracts were fixed price and unit price basis, employing unique contracts clauses which encouraged innovative modularized construction methods supported by American "Skyhorse" and Kroll tower cranes.

North Anna Nuclear Power Station Virginia Electric and Power Company (January 1976 to June 1978)

As ASSISTANT SUPERINTENDENT OF CONSTRUCTION reported to Superintendent of Construction and was responsible for all work performed in the turbine buildings, service buildings, control buildings, and selected yard structures. Directed the activities of 20 supervisors and engineers and work performed by approximately 300 craftsmen on a force account basis. Disciplines managed included Civil, Structural, Piping, Mechanical and essential support disciplines. Also coordinated work with electrical contractor, turbine generator contractor and various specialty contractors. Participated actively in employee training and development programs. Developed and implemented a highly successful work package program in conjunction with cost engineers, planning engineers and area supervisory and engineering personnel.

Millstone Nuclear Power Station Northeast Utilities Service Company (May 1975 to January 1976)

As ASSISTANT SUPERINTENDENT OF CONSTRUCTION responsible for administration of field contractors. Contracts in progress or under negotiation included containment liner, rock blasting and excavation, cofferdam construction, seawall construction, structural steel, HVAC, waterproof membrane, sub-structures and temporary facilities.

Boston Headquarters Office (May 1974 to May 1975)

As ASSISTANT SUPERINTENDENT OF CONSTRUCTION reported to Project Manager. Responsible for construction reviews of drawings, specifications, procedures and bid proposals for HTGR (High Temperature Gas Reactor) projects and Sundesert project. Duties included preparation and review of construction procedures, review of project schedules and project estimates. Also participated in contract negotiations for major contractors, and review of Quality Assurance procedures.

COMBUSTION ENGINEERING, INC., WINDSOR, CT (July 1970 to May 1974)

Palisades Nuclear Power Station (October 1973 to May 1974)

As LEAD ERECTOR AND SR. CONSTRUCTION SITE REPRESENTATIVE responsible for directing supervisors, engineers, craftsmen and specialty contractors engaged in the repair of operational reactor vessel and steam generators. Specific work activities performed in radiation restrictive zones, involved repair of reactor vessel core barrel guide shims using hard hat divers inside the reactor vessel, repair of core barrel and reactor vessel mating surfaces, using specialty grinding techniques and seal welding steam generators tube ends. Work performed on a multiple shift, around-the-clock basis, using strict construction procedures and Quality Assurance requirements.

Beaver Valley Nuclear Power Station (February 1973 to October 1973)

As ERECTOR AND SR. CONSTRUCTION SITE REPRESENTATIVE responsible for directing supervisors, engineers and craftsmen engaged in the repair of ASME III reactor pressure vessel. Repairs involved precision-grinding, welding and heat treatment to stringent code case requirements to avoid full temperature stress relieving. Welding repairs were performed on vessel nozzles at bimetallic and trimetallic surfaces.

Keystone Conemaugh and Point Marion (October 1972 to February 1973)

As ERECTION SUPERINTENDENT responsible for directing craftsmen in the repair and maintenance of coal-fired power stations. Work performed included the repair and replacement of waterwall tubing, superheater and economizer modules, skin casing, coal transmission piping, coal buckets, ductwork and air preheaters.

Edwin I. Hatch Nuclear Power Station (April 1972 to October 1972)

As ERECTOR AND LEAD SHIFT SUPERVISOR responsible for directing craftsmen and coordinating specialty contractors in the repair of a boiling water reactor vessel to upgrade and achieve ASME XI requirements. Work supervised included extensive Air-Arc excavation and precision grinding, welding, preheating, and stress relieving the recirculation nozzles and mid-girth shell of the reactor vessel in place.

Arthur Kill Power Station (April 1973 to April 1972)

As ERECTOR responsible for supervising craftsmen and coordinating contractors in the coal-to-oil conversion of a coal-fired power station. Work included pile driving, structural concrete and steel, recirculation ductwork, recirculation fans, oil piping installation and boiler furnace modifications.

Keystone Power Station (December 1970 to April 1971)

As ERECTOR responsible for supervising craftsmen engaged in the repair of 900 MWe supercritical boiler, badly damaged due to operational failure. Work included extensive repairs to boiler pressure parts, piping, skin casing, and structural steel.

Maine Yankee Nuclear Power Station (July 1970 to December 1970)

As NUCLEAR STEAM SUPPLY SYSTEM CONTRACTOR FIELD ENGINEER representing NSSS (Nuclear Steam Supply System) suppliers' interests during receipt, off-loading, transporting and installation/storage of the reactor vessel, head, accumulators and steam generators.

WESTINGHOUSE ELECTRIC CORPORATION, PITTSBURGH, PA (July 1968 to July 1970)

Indian Point Nuclear Power Station (July 1969 to July 1970)

As NUCLEAR STEAM SUPPLY SYSTEM START-UP ENGINEER responsible for start-up procedure preparation, flushing and hydrostatic testing of various NSSS (Nuclear Steam Supply System) systems.

Nuclear Operations Center (July 1968 to July 1969)

As DESIGN/DEVELOPMENT ENGINEER Advance Reactors Division responsible for development studies related to advanced containment concepts (ice condenser) and pressurizer optimization studies. Participated in exploratory usage of various time-sharing computer options, including Westinghouse in-house version and Com-Share Inc.

THE NUCLEAR POWER GROUP, LTD., KNUTSFORD, ENGLAND (July 1966 to July 1968)

Oldbury-On-Severn Station (November 1967 to July 1968)

As START-UP ENGINEER engaged in preoperational testing, fuel loading, chemical flushing of a gas-cooled Magnox twin nuclear station. Assigned Shift Supervisor during fuel loading operations.

Knutsford Cheshire, England (July 1966 to November 1967)

As DESIGN ENGINEER Engaged in reactor building design studies for the Hinckley 'B' Station advances gas-cooled reactor. Activities included core exit temperature transient analysis studies, insulation studies, fuel standpipe assembly design and operation and a conceptual steam generator removal plan.



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

PRINCIPAL STAFF			
✓	AS	VP	
	C/PA	VP	
	A/PA	VP	
	PC	VP	
	PRO	NCS	✓
		VP	
		VP	

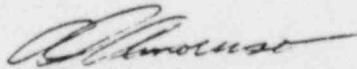
Mr. J. J. Harrison
 Nuclear Regulatory Commission
 799 Roosevelt Road
 Glen Ellyn, Illinois 60137

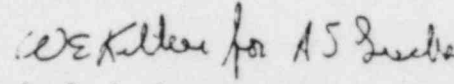
January 23, 1984
 J.O. No. 14509

DOCKET NO. 50-329/330
 MIDLAND NUCLEAR COGENERATION PLANT
 MONTHLY THIRD PARTY ASSESSMENT MEETING

The protocol governing communications for the Remedial Soils and Construction Completion Programs at the Midland Plant, specifies a monthly meeting to discuss third party assessment activities and assigns preparation of the minutes of those meetings to Stone & Webster.

Enclosed are minutes of the meeting held on January 12, 1984.


 A. P. Amoruso
 Project Manager
 CIO


 A. S. Lucks
 Project Manager
 Underpinning and Remedial Soils

Enclosures

cc: JWCook, CPCo
 DLQuamme, CPCo
 RAWells, CPCo

~~8402060365~~

FEB 1 1984

MINUTES OF THE MEETING OF JANUARY, 1984

STATUS OF INDEPENDENT ASSESSMENT OF
UNDERPINNING AND REMEDIAL SOILS WORK

PURPOSE

This was a Public Meeting to report the status of the Stone & Webster Assessment Team activities and observations regarding underpinning and remedial soils work.

SUMMARY

A. S. Lucks opened the meeting by identifying the major parts of the Assessment Team presentation. The first part is a summary of the Assessment Team activities by P. Majeski detailed in Weekly Reports 63 through 67. The second part is an update of the resolution activities for the Stop Work Order relative to the soils and underpinning work. This is followed by a status report on the action items assigned to the Assessment Team from the December meeting.

Mr. Lucks identified the following corrections to the December meeting notes. The corrections concerned changes to the five items listed at the top of page 6. The first item should read "Define Important Quality . . ." instead of "Define Poor Quality . . ." Also the third bullet in this list (the bullet only) should be deleted.

P. Majeski began a summary of Assessment Team activities by stating that no new construction work had been performed on the underpinning during

December due to the Stop Work Order. The present status of the underpinning was reviewed. On the east and west sides, 8 piers and one grillage have been completed. Activities that support crack mapping and routine maintenance continue as exceptions to the Stop Work Order.

Assessment Team evaluations were conducted on Crack Mapping, Work Activity Packages, and Open Items including a review of the progress made in actions being taken to improve operations at U.S. Testing.

Assessment Team procedural concerns related to crack mapping that were discussed in December's public meeting have been resolved. Additional concerns that originate from Assessment Team inspections of crack mapped areas resulted in the development of a criteria that defined which cracks must be mapped. As a result of the meeting held last week between the NRC and Consumers Power Company (CPCo), areas of the Auxiliary Building not being mapped are being surveyed. Any significant cracks will be added to the mapping program. The Assessment Team will review the results of this survey when it is issued.

Four Work Activity Packages (WAPs) were reviewed. They were:

- WAP 59 Cathodic Protection in Q Filled Areas
- WAP 69 SWPS Pier 1 and 1A Excavation and Soil Load Tests
- WAP 71 SWPS Anchor Bolt Holes
- WAP 73 Train B Service Water Pipe Replacement

The reviews for WAPs 59, 69, and 73 have been completed and closed. WAP 71 has one review action item concerning bolt corrosion that remains open.

With reference to the review of the progress being made in response to the evaluations of U.S. Testing Operations, Bechtel's Subcontracts Group originally identified 15 areas of concern with U.S. Testing. Of the original concerns, 5 open items remain.

- Item 1. Item 16 of the original QA audit concerned a field document control problem. This item is expected to be closed within a week of this meeting.
- Item 2. To improve efficiency, the majority of Laboratory Technicians are to be cross trained to 20 procedures within the next 6 months.
- Item 3. Two Laboratory Chiefs are to be cross-trained to all the procedures within 3 months.
- Item 4. Work instructions for testing activities are to be prepared and incorporated into U.S. Testing procedures within the next three months.
- Item 5. A site position for a Level III technician that had been vacated by a staff transfer is expected to be filled again by a Level III technician within a few weeks.

The Assessment Team will continue to follow the upgrading of U.S. Testing. They must strive to meet the schedule for these actions.

The status of Nonconformance Identification Reports (NIRs) was reported next. NIRs 14, 16, 17, 18 and 19, discussed during the last meeting, were closed in December. NIR 20 remains open until specification changes are made concerning the calibration of admixture dispensers used for adding superplasticizer to concrete. One pier has been constructed using superplasticized concrete but in this case there was not a nonconforming condition.

There are currently nine Open Items that require action prior to closure.

The status of the resolution activities for the Stop Work Order were summarized by A. S. Lucks. The Stone & Webster Engineering Assurance Specialist returned to the site to assess the Stop Work Order resolution activities. The results of this assessment indicated that revisions to change document procedures have been completed and these revisions correct the problems that led to the Stop Work Order. Phase II resolution activities have been completed and were found to be satisfactory. Phase III resolution activities are in progress.

The status of the 3 action items assigned to Stone & Webster from the December meeting was addressed next.

Action Item 1. The NRC requested that in future Weekly Reports Stone & Webster provide Work Activity Package (WAP) titles along

with the WAP number. Stone & Webster complied beginning with Weekly Report 64. This item was closed by the NRC.

Action Item 2. Stone & Webster was requested by the NRC to give an opinion on whether there should be a settlement criteria for acceptance of rejackin in response to strain readings on the E/W 8 support columns. The topic is now part of an ongoing review of existing criteria by CPCo and the NRC. The Assessment Team will evaluate the results of the review and provide an opinion on the need for a settlement criteria when the review is completed. This item remains open.

Action Item 3. The NRC was concerned whether the Assessment Team review questions for WAP 59 had been resolved prior to submittal of the package to the NRC. The initial WAP review was completed and all questions were resolved in the first week of October, 1983. A subsequent review by another Assessment Team member identified a concern with an interference between an anode and a well. Based on the original review results CPCo submitted WAP 59 to the NRC on the 5th of October. The interference concern was resolved and then closed in the last week of November (Weekly Report 63). The NRC concern was whether CPCo had submitted the WAP for approval prior to resolving Assessment Team questions. At the time of submittal, all Assessment Team questions had been resolved. This item was closed by the NRC.

This concluded the presentation by Stone & Webster. CCo now addressed the 5 action items assigned to them during the December meeting.

Action Item 1. The NRC requested information on the actions being taken to avoid delay in reporting alert level cracks. Six actions are being taken to avoid delays in reporting alert level cracks:

- a) A Wiss Janney Lead Engineer has been assigned to overview all activities to provide greater accountability and continuity in crack monitoring.
- b) A reviewer will now check the mapped area in the field as well as the data submittals. There will also be a final overall review by the Lead Engineer.
- c) A Wiss Janney review for legibility is now required by procedure.
- d) An alert level crack now requires verbal notification within two hours and a written report within 24 hours.
- e) The specification now requires the RSE to review the alert mapping level values and the procedure requires Wiss Janney to forward a copy of the submittal to MPQAD for faster response and better visibility.

Action Item 1 was closed by the NRC.

Action Item 2. The NRC was concerned about the timing of the NCRs written against Carlson meter concrete blocks. They were poured on June 8, 1983, shipped for calibration on June 16, 1983 and returned to the site on June 18, 1983. The associated concrete piers were poured on June 25, 1983 and the NCRs were written on September 29, 1983 and November 3, 1983 during a document review. The nonconformance was that the IR, did not document that the forms had been stripped within the specified time period. The performance of the Carlson meters was not part of the nonconformance. The placement of the Carlson meters in the piers, did not interface with the IR to accept curing of the concrete pour. The two IRs are now tied together. The NRC closed this action item.

Action Item 3. The NRC was concerned about concrete mixer drum rotation. A specification change now requires in general that the truck continuously rotate the mixer drum while waiting to discharge. If a mixer drum has been idle for 15 minutes or more the concrete shall be agitated a minimum of ten revolutions. The NRC closed Action Item 3.

Action Item 4. The NRC asked for a report on the transfer of the lessons learned in the auxiliary building underpinning to the Service Water Pump Structure. A total of 36 items were identified with 6 not applicable to the Service Water Pump Structure. 19 items have been incorporated while 11 are still being evaluated. The NRC indicated Action Item 4 is still open pending their review.

Action Item 5. This item concerned crack mapping problems identified during November. The appropriate specifications and procedures have been revised and the NCRs and QARs have been closed. The NRC closed Action Item 5.

This concluded the report on CPCo action items.

Questions and Answers

Mr. J. Harrison and Mr. R. Landsman asked several questions concerning items included in Weekly Reports 63 through 67.

1. What is the relationship between items 63-10 and 63-12? They dealt with information related to the NIR concerning the admixture dispenser calibration.
2. Does item 63-17 address the same welding report discussed a couple of months ago? Can CPCo identify what changes were made as a result of the recommendations in this report? It was not the same report. Examples of changes would include items that clarify the applicable code requirements. Also design changes that were more practical for welding were implemented. The NRC asked that a copy of the welding report be supplied to them. (Mr. Harrison indicated that this should not be considered as an action item).

3. With reference to items 64-6, 64-8 and 64-9, has interim approval for FCNs and FCRs been eliminated? Interim approval no longer exists for FCNs except to provide as-built information. Interim approval of FCRs is still allowed during a transition period after which they will no longer be allowed.
4. With reference to Item 64-14, was an evaluation done to consider the impact of the problems with U.S. Testing on past test results? A 100% audit by MPQAD evaluated the impact on past test results and any problems were addressed in an NCR.
5. With reference to Item 64-13, is the 20 day limitation on FCR final approval an interim measure? Yes, until the new process is in effect.
6. With reference to Item 64-2Q, can CPCo provide the status of the MPQAD review and verification of past IRs for soils? All activities now are preliminary and the review procedure is being developed. The review will commence after the Stop Work Order is lifted.
7. Is the 30 mil alert level indicated in Item 64-4Q a change to the criteria on crack mapping? The 30 mil alert level is for existing cracks, the 10 mil alert level is the criteria for new cracks. These have not changed.
8. With reference to Item 65-4, what is the base line for settlement data on the service water pump structure? July 28, 1983.

9. Item 65-11 states that Stone & Webster did a spot check on crack mapping and identified cracks that were not being mapped. What was the engineering resolution? Should an NIR have been issued? The Assessment Team did a random check of the crack monitoring data sheets. Two of the Auxiliary Building floor areas were found to have cracks not recorded on the data sheets. An Open Item (66-7) resulted in the 2 ft., 5 mil criteria being established for the crack survey now being conducted by CPCo. Since this criteria was not in the original crack mapping procedures, a nonconformance did not occur. No NIR was required. A survey of the building is being conducted. The NRC stated that it was their understanding that all cracks would be mapped and that they would confer with NRR and the issue will be addressed in next month's meeting.
10. What caused the 20 mil change in settlement readings referred to in Item 65-17? Exact causes are not known, but other backup measurements and surveillance since the change indicates a problem with the gauge rather than an actual 20 mil movement during one day.
11. Could CPCo explain why the upper 10 ft. of the fill on the Service Water Pump Structure is to be stabilized by grouting described in Item 67-9? The area is temporarily backfilled with sand. The grout stabilization will prevent the sand from flowing into the excavation. This grouting will become part of the Work Activity Package controlling the work. A test program to establish the grouting procedures may be conducted.

12. Item 67-16 indicates that CTL stated that certain cracks recently identified by Wiss Janney had originally been identified by CTL back in 1981 or 82. There appears to be a disconnect between the two crack mapping companies. CTL doesn't do crack mapping, they are called in to evaluate the cracks identified by Wiss Janney. The NRC stated that they believed that there are also more new cracks identified. At the next meeting CPCo was requested to give a report concerning the results of the crack mapping survey now being conducted.

Required Action

The following action is required by the Assessment Team:

1. The Assessment Team will evaluate the results of the CPCo/NRC review of existing criteria for allowable building movements and jacking. The Team will then give an opinion on whether there should be a settlement criteria for re-jacking of the E/W8 grillages triggered by greater than 20% change in strain readings on the support columns.

The following item remains open for CPCo.

1. The issue of crack mapping will be addressed in the February meeting. CPCo will update the status of the crack survey and the NRC will discuss the results of the conference with NRR.

END

MINUTES OF THE MEETING ON JANUARY 12, 1984

STATUS OF CONSTRUCTION IMPLEMENTATION OVERVIEW (CIO) PROGRAM

Purpose

To discuss Third Party Overview activities of Stone & Webster (S&W) and problems encountered regarding the Construction Completion Program (CCP) during December 1983.

Summary

Mr. A. P. Amoruso, Project Manager for the CIO Program, presented a summary of Program activities for December 1983. The following topics were covered:

° Assessment Activities

Opportunities to assess the Construction Completion Program (CCP) continued to be limited during December due to the stop-work orders that were issued because of concerns about the control of FCR/FCN field change documents. Those orders prevented starting statusing and verification of work in the plant, the principal components of Phase I of the CCP. Activities that were assessed included the FCR/FCN Resolution Program, preparations for Phase I statusing and verification, training presentations, training records, and management meetings. The three phases of the FCR/FCN Resolution Program were checked, and document Control problems were identified. These problems included inconsistencies between the document distribution list and holdings at field stations, differences between registers and changes attached to base documents, and practices that were not proceduralized. Consumers Power Company is developing a corrective action plan to resolve these problems. Preparations for statusing and verification that were monitored included updating construction punchlists, material lists, and labor data and training CCP team members. These activities were conducted in

accordance with CCP supporting procedures. Seven training presentations were evaluated. These presentations followed prescribed lesson plans and conveyed key information effectively. Some 100 training records were checked to assess the adequacy of corrective actions for administrative discrepancies that had been identified previously. No discrepancies resulted. Thirty-seven management meetings were monitored. The consistency of action being taken showed effective management involvement. In the three areas outside the CCP but within the scope of the CIO; namely, the Nuclear Steam Supply System (NSSS), the Spatial System Interaction Program (SSIP), and the Heating, Ventilation, and Air Conditioning System (HVAC), assessment opportunities were also limited during December due to the stop-work orders. Activities that were assessed included the qualification records of three welders in the HVAC program and the establishment of parameters for weld procedure qualification. Results of both of these checks were satisfactory.

° CIO Items, Nonconformances, and Hold Points

Three CIO items were identified during December. The items follow:

- A checklist developed to monitor status assessment did not contain all attributes of the governing procedure.
- A controlled architectural drawing was found missing from a stick file during a sample inspection of holdings at a field station.
- Resolution sheets for one FCR out of a sample of civil documents did not clearly indicate whether one or two drawings were affected by the change.

Two of the three items noted above were also verified corrected and closed during December. The two items are the missing architectural drawing and the unclear resolution sheets for the FCR.

Three nonconformances identified by the CIO Program remained open. These nonconformances address administrative deficiencies in training records and are the same items that were listed as open at the last meeting.

The following six Hold Points established by the CIO Program remained open.

The Hold Points are the same as those listed as open at the last meeting.

- Development of a vendor equipment verification program before the start of Phase II of the CCP.
- Evaluation of the management review of the results of Phase I activities before the start of Phase II of the CCP.
- Correction of training records for construction support groups before people involved are used in the statusing part of the CCP.
- Upgrading the level of training in five elements of the Construction System Team Training Matrix before people involved are used in the statusing part of the CCP.
- Verification of Phase I and II evaluations of the FCR/FCN review before stop-work orders are lifted.

◦ Highlights of December

- FCR/FCN Resolution Program

The FCR/FCN Resolution Program consists of three phases. Phase I involves identifying FCR/FCNs that do not clearly indicate which documents are affected by the changes. Phase II involves resolving uncertainties identified in Phase I. Phase III involves making changes to FCR/FCN registers that were caused by corrective action in Phase II.

The status of the CIO assessment follows:

- Architectural and civil documents have been checked satisfactorily through Phase II.
- Architectural documents at three field stations have been checked satisfactorily through Phase III. Checks are ongoing at other stations,

and one CIO nonconformance has been identified to date. That nonconformance was issued to address several document control problems that were identified during these checks.

- Instrumentation and control, electrical, and mechanical documents will be checked through Phase II and Phase III when document control problems are resolved.

- Document Control Problems

The document control system at the site is complex. Verification of holdings at a particular field station could require use of some fifteen registers. Administration of the system has been complicated further by a large number of documents distributed on the site, a large number of changes to those documents, and practices that have not been proceduralized. Consumers Power Company recognizes the difficulties in administering the system and has been shifting to a simpler, state of the art system.

The weaknesses of the document control system were accentuated by the FCR/FCN stop-work orders which froze the processing of most documents. This was the situation when both the Midland Project Quality Assurance Department (MPQAD) and CIO checked document distribution during Phase III of the FCR/FCN Resolution Program. The findings of both groups were similar and included:

- Differences between the distribution list and actual holdings at field stations.
- Inconsistencies in the system for retiring documents.
- A practice for decontrolling drawings that was not proceduralized.

Consumers Power Company is developing a corrective action plan which will be evaluated by the CIO before releasing hold points on the FCR/FCN Resolution Program.

° Miscellaneous Items

- CIO Staff

The CIO staff remained at 29 in anticipation of the start of CCP statusing and verification. As discussed at the last meeting, the number of people and mix of disciplines will be adjusted as the actual verification load dictates.

- Safety Related Work Instructions

As discussed at the last meeting, a CIO item will be opened requesting Consumers Power Company to ascertain that memorandums have not been used to promulgate work instructions for safety related systems.

Action items from Last Meeting

- ° The CIO had one action item from the last meeting. That item involved the routing of nonconformance reports. Checks revealed no instances of lost or misplaced reports. The report that generated concerns about routing was not lost but had been sent back to the originator for additional information so that a disposition could be made. After the disposition was made, the report was routed correctly.
- ° Consumers Power Company (CPCo) had one action item. That item involved training level codes used in training matrices. Mr. D. L. Quamme, CPCo, stated that the management review of training prior to Phase I of the CCP looked primarily at the procedures that were in place to develop training matrices. Since that review, procedures, job descriptions, and work assignments have been more clearly defined. The discrepancies identified by the CIO consisted primarily of inconsistencies between matrices based on current information. To resolve these problems, the matrices are being bounced against each other to ensure consistency and are being checked to ensure that people are being trained at the proper level now that job

assignments are better defined. Until this formal review is completed, people being put in the field are governed by a special training bulletin which clarifies specific areas that have been identified. After the review, all people assigned to the field will be checked against the new training requirements to ensure that their level of training is proper.

Questions and Answers

- ° Mr. R. N. Gardner, NRC, asked if CPCo and the CIO differed on their evaluation of the condition of the cable jacket that was in contact with nails in a board that was lying in a cable tray.
Mr. J. E. Karr, CIO, said that there was a difference of opinion, and CPCo was reevaluating the disposition of a nonconformance which was based on the assumption that the cable jacket had not been damaged.
- ° Mr. Gardner asked if the CIO evaluation of nonconformances for closure would also look at generic aspects.
Mr. R. G. Burns, CIO, said that the CIO would routinely go back to closed nonconformances and compare those trends with existing conditions. The whole population and not just immediate items would be included in reviews to identify generic problems.
- ° Mr. B. L. Burgess, NRC, asked how CPCo is informed when disciplines have been cleared by the CIO through Phase II of the FCR/FCN Resolution Program. Mr. Amoruso stated that disciplines are being released by letters which modify the Hold Point that has been established at Phase II.
- ° Mr. Gardner asked what type of problem would be addressed by a memorandum and result in a Design or Specification Change Notice as mentioned in a CIO Weekly Report.

Mr. Karr stated that a phone call might be made to Ann Arbor by resident engineering to ask a question about a design document or a specification. To preclude misinterpretations about what is being asked, a memorandum would be prepared to back up the phone call. Review of the question by project engineering might conclude that a change to a document is really needed. A Design or Specification Change Notice might then result.

Mr. Gardner and Mr. J. J. Harrison, NRC, stated that their concerns were that memorandums might become substitutes for required formal documentation.

Mr. R. A. Wells, CPCo, stated that the memorandums will not be substitutes for other documentation but will be used as a means of communicating when items need clarification.

- ° Mr. Harrison asked for a summary of findings of the Stone and Webster corporate audit of the CIO as mentioned in a CIO Weekly Report.

Mr. Burns stated that the overall conclusion of the audit was that the CIO has met commitments specified in planning procedures. The most significant finding involved the need for team members to improve consistency in documenting sample sizes.

- ° Mr. Harrison asked for information about a special checklist that was mentioned in a CIO Weekly Report as being prepared by Bechtel for use in conducting status assessment. The checklist did not have all the attributes of the governing procedure.

Mr. Karr stated that the checklist was to be used as an aid in performing the assessment. Therefore, the list contains only key points that are desired to be emphasized and not all attributes from the procedure. Because of the potential problems with such a list, a CIO item was opened. Mr. Quamme stated that the response from Bechtel indicated that the checklist was to be used as a guide and not as a detailed working document. Mr. Gardner stated that such lists

have created problems in the past. Mr. Quamme stated that the matter would be reviewed.

° Mr. Harrison asked if the Public had any questions. The following items were discussed:

- Instrument aberrations
- FCR/FCN Resolution Program
- Crack mapping
- Objective of the monthly meeting

Action Item

° CPGO discuss at the February meeting the condition of the cable that was in contact with nails in a board lying in a cable tray.



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

Mr. J. J. Harrison
Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

DOCKET NO. 50-329/330
MIDLAND NUCLEAR COGENERATION PLANT
RESUME AND AFFIDAVIT FOR MR. J. E. KARR

January 19, 1984

PRINCIPAL STAFF	
✓ Das	
✓ Das	
Das	@y+3
Das	

Attached is the resume and affidavit for Mr. Joel E. Karr.

Mr. Karr is being assigned as the Site Program Manager for the Construction Implementation Overview (CIO) Program at the Midland Nuclear Plant.

A. P. Amoruso
CIO Project Manager

APA/ka

ATTACHMENTS

~~8402020125~~

JAN 27 1984

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 JOEL E. KARR

My name is Joel E. Karr. I am employed by Stone & Webster Michigan, Inc. as Senior Engineer (Titled).

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 Joel E. Karr

Sworn and Subscribed Before Me This 5th Day of January, 1984

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

LIST OF FUNDS

I am not participating in any funds which may own shares of Consumers Power Company or Bechtel stocks.

January 1984

KARR, JOEL E.

PROJECT QA MANAGER
QUALITY ASSURANCE DEPARTMENT

EDUCATION

United States Coast Guard Academy - Bachelor of Science in Engineering, 1968

LICENSES AND REGISTRATIONS

None

EXPERIENCE SUMMARY

Mr. Karr joined Stone & Webster in July 1973 as a Quality Control Engineer in the Quality Systems Division, and since April 1983, is assigned as the Project Quality Assurance Manager for the Clinch River Breeder Reactor Plant Project.

Since joining Stone & Webster, he has been assigned to several major nuclear projects where he performed tasks related to program development and evaluation for construction, operation, and nuclear fuels management licensing, procedure development and evaluation, Quality Assurance program administration and overall Quality Assurance program management.

Prior to joining Stone & Webster, he was a commissioned officer in the United States Coast Guard with assignments in management and administrative areas as well as dealing with several aspects of engineering.

PROFESSIONAL AFFILIATIONS

American Society for Quality Control - Member

PUBLICATIONS

None

DETAILED EXPERIENCE RECORD
KARR, JOEL E.

STONE & WEBSTER ENGINEERING CORPORATION, BOSTON, MA (July 1973 to Present)

Appointments:

Quality Control Engineer - July 1973
Quality Assurance Engineer - Jan 1975
Senior Quality Assurance Engineer - Dec 1979
Project QA Manager - Apr 1983

Clinch River Breeder Reactor Plant Project, U. S. Department of Energy
(Apr 1983 to Present)

As PROJECT QUALITY ASSURANCE MANAGER for the CRBRP Project in Oak Ridge, Tennessee, responsible for the management and administration of the overall Stone & Webster Quality Assurance program as applicable to the Stone & Webster scope of work on the Project including the administration of Quality Assurance and Quality Control personnel assigned to the Project.

Clinch River Breeder Reactor Plant Project, U. S. Department of Energy
(Jan 1980 to Apr 1983)

As ACTING PROJECT QUALITY ASSURANCE MANAGER for the CRBRP Project in Oak Ridge, Tennessee, responsible for the management and administration of the overall Stone & Webster Quality Assurance program as applicable to the Stone & Webster scope of work on the Project including the administration of Quality Assurance and Quality Control personnel assigned to the Project.

Nine Mile Point Nuclear Power Station, Unit 2, Niagara Mohawk Power Company
(May 1978 - Dec 1979)

As PROJECT QUALITY ASSURANCE MANAGER for the Nine Mile Point, Unit 2 Project in Scriba, New York, had overall authority and responsibility for administration of Project Quality Assurance functions, including Field Quality Control, Procurement Quality Assurance, and Project auditing. Also responsible for direction and control of Project-related Quality Assurance administrative activities and operations at the Project Office and at the construction site.

Clinch River Breeder Reactor Plant Project, U. S. Department of Energy
(Apr 1976 - May 1978)

As ACTING PROJECT QUALITY ASSURANCE MANAGER for the CRBRP Project in Oak Ridge, Tennessee, responsible for the management and administration of the overall Stone & Webster Quality Assurance program for the Clinch River Breeder Reactor Plant Project including the administration of Quality Assurance and Quality Control personnel assigned to the Project.

As QUALITY ASSURANCE SECTION SUPERVISOR for the CRBRP Project, responsible to the Project QA Manager for the operation of the Quality Assurance Project Office in Oak Ridge for the CRBRP Project.

As QUALITY ASSURANCE ENGINEER assigned to Clinch River Breeder Reactor Plant Project in Boston Headquarters Office, developed initial plans and procedures for quality activities on this Project and quality assurance portion of safety analysis report.

JEK

SWEC Boston Headquarters Office (July 1973 - Mar 1976)

As QUALITY ASSURANCE ENGINEER in Boston Headquarters Office, performed quality assurance services related to nuclear project licensing, development of S&W QA Topical Report for submission to NRC, Quality Control Procedure development at a construction site and quality assurance systems. Assisted several utilities in developing their own quality assurance programs and procedures for construction, operation, and nuclear fuels for their nuclear plants. Also involved in evaluation of existing utility quality assurance programs and development of utility portions of safety analysis reports.

As QUALITY CONTROL ENGINEER in Boston Headquarters Office, developed systems and procedures for control of quality related activities for construction of nuclear power plants. Served on corporate committee tasked with development of company records management system.

UNITED STATES COAST GUARD (June 1968 - Feb 1971)

First Coast Guard District Staff, Boston, MA (Feb 1971 - July 1973)

As Officer In Charge of the District Communications Center, handled work in all areas of design, construction, and installation of new communications center and associated Rescue Coordination Center during relocation of this facility.

U. S. Coast Guard Cutter Sherman (June 1968 - Feb 1971)

Deck Department Head



**Consumers
Power
Company**

Dean L. Quamme
Site Manager
Midland Project

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

January 19, 1984

Mr S W Baranow
Stone & Webster Michigan, Inc.
P O Box 1963
Midland, MI 48640

PRINCIPAL STAFF	
✓ RA	DPRP
D/RA	DE
A/RA	DRMSP
✓ PC	DRMA
PAO	SCS ✓
SGA	ML
ENF	File

orig + 3

MIDLAND ENERGY CENTER GWO 7020
STONE & WEBSTER LETTER SWMCP-008, DATED 1-10-84
FILE: B1.1.7 UFI: 53*50*04 SERIAL: CSC-7189
0655 99*08

Consumers Power Company will be in the position to respond to your letter four to eight weeks after the mechanical stop work is lifted. This unfortunate delay in our response is due to our concern that we properly assess anything that may come out from the stop work review process. If this is not adequate to meet your immediate needs, our QC records are always open to your staff. Should you or any of your staff have any questions on this topic, please contact Norm Reichel at ext. 6402.

[Signature]
for DLQ/TAS/pal

- CC: JGKeppler, NRC Region III
- JJHarrison, NRC Region III
- RJCook, NRC Site
- RAWells, MPQAD
- BHPeck, MEC
- NIReichel, MEC
- GAHierzer, Bechtel

840/270349

JAN 25 1984



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

January 18, 1984

Mr. D. L. Quamme
Consumers Power Company
Midland Nuclear Plant
3500 E. Miller Road
Midland, Michigan 48640

PRINCIPAL STAFF	
RA	DPRP
D/RA	DE
A/RA	DRMSP
RC	DRMA
PAO	SCS ✓
SGA	ML
	File

orig 3

Subject: Docket No. 50-329/330
Midland Plant - Units 1 and 2
Overview of the Construction
Completion Program
Serial No. SWMCP-013

Re: Midland Energy Center
Training of Construction Personnel
Reference CPO correspondence CSC-7156 1/11/84,
CSC-7162 1/12/84, CSC-7166 1/13/84, and CSC-7171 1/16/84

Please be advised that CIO has performed sampling inspections of the Construction Training Records of those personnel noted in the attachments of the above referenced correspondence. The results of the sampling inspection were satisfactory. Personnel listed on the attachments are cleared to perform status assessment. As a result of the satisfactory review of the Training Records, CIO has closed out NIR 006.

Very truly yours,

J. E. Karr
J. E. Karr

JEK/nl

cc:
- JGKeppler, US NRC Glen Ellyn, IL
- JHarrison, US NRC Glen Ellyn, IL
- RJCook, US NRC Midland (site)
- RAWells, MPQAD
- NReichel, CPO
- APAmoruso, S&W

8401270370
195

JAN 25 1984



**Consumers
Power
Company**

Dean L Quamme
Site Manager
Midland Project

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

January 12, 1984

Mr S W Baranow
Stone & Webster Michigan, Inc
P O Box 1963
Midland, MI 48640

PRINCIPAL STAFF	
✓ RA	DPRP
C/RA	DE
A/RA	DRMSP
✓ RC	DRMA
PAO	SCS ✓
SGA	ML
ENR	File

orig + 3

MIDLAND ENERGY CENTER GWO 7020
TRAINING OF CONSTRUCTION PERSONNEL
File: 0400.2, 0655 UFI: 53*50*04, 06*02 Serial: CSC-7162
 B1.1.7 - 99*08

Attached is a list of Bechtel construction personnel who have completed their training requirements to commence status assessment. Please contact E H Pillsbury, Bechtel Ext. 7167 to initiate your audit requirements on these individuals.

[Handwritten signature]
DLQ/DDJ/klp

- cc: JGKöppler, NRC Region III w/a
- JJHarrison, NRC Region III w/a
- RJCook, NRC Site w/a
- RAWells, MPQAD w/a
- BHPeck, MEC w/a
- NIREichel, MEC w/a
- GAHierzer, Bechtel w/a

8401230356

JAN 19 1984

Date	Team	Records Ready For Audit	Records Audited by Stone/Webster
1-11-84	ARA24RW4EFE	Anderson Harry 429221	
1-11-84	ARA25LSE	ASAAD SAAD 886849	
1-11-84	HGR31W4FE	BEAVER CARL 325218	
1-11-84	HGR31CASTAST	BROWN SANDI 372970	
1-11-84	ARA24RW4EFE	Bunnell David 07394/C	
1-11-84	HGR30CASTAST	CASHEN Mary 372748	
1-11-84	ARCSTR 4EFE	CHMELAR Peter 204112	
1-11-84	Sys08EFE	Crowell Wayne 804105	
1-11-84	HGR31W4FE	FACCIO Bruce 360016	
1-11-84	ARA27CFE	Fisher Don 2101	
1-11-84	Sys14MFE	Fulmer Gary 168797	
1-11-84	Sys177MFE	Funk Steve 223529	
1-11-84	ARA27RECJU	Grzesiak Tom 373845	
1-11-84	ARA27CFE	Hall Don 3430	
1-11-84	HGR31LSE	HASSAIN Osama 925566	
1-11-84	HGR32CA	Liberia Kathy 372199	
1-11-84	ARA26MFE	London Deric 853468	
1-11-84	HGR31MFE	MAMULA David 359944	
1-11-84	ARA24PLNR	Manly Laura 609666	
1-11-84	ARA24RW4EFE	McClure Betty 439899	
1-11-84	ARA23RW4EFE	Mohr SK 372417	
1-11-84	ARCSTRW4EFE	McManus Brian 709782	
1-11-84	ARA24QR	Miller Jim 600261	
1-11-84	ARA23RW4EFE	PANAYOTIDES Michael 569976	
1-11-84	HGR32MFE	Oschocki Jerry 372045	
1-11-84	SYS14LSE	SANBURG Bert 925396	
1-11-84	ARA24PLNR	SANDS Ted 923476	
1-11-84	HGR30MFE	SCHAEBUCH Laura 361022	

CONSUMERS POWER COMPANY
MIDLAND ENERGY CENTER

Transmittal No: CSC- 7163

Date: January 13, 1984

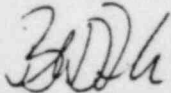
To: Stone & Webster
P O Box 1963
Midland, MI 48640

Attached Is: Partial Response To
 Complete Response To
 For Your Information
 Other

Description:

Tracked Information Items 038, 042, and 044.

Signature:



cc: JGKepler, NRC Region III w/a
JHarrison, NRC Region III w/a
RJCook; NRC Site w/a
RAWells, MPQAD w/a
BHPeck, MEC w/a
NIReichel, MEC w/a
DDJohnson, MEC w/a

STONE & WEBSTER CONSTRUCTION IMPLEMENTATION OVERVIEW MIDLAND NUCLEAR PLANT J.O. NO. 14509	ITEM NUMBER 038	HOLD POINT NUMBER
	<input type="checkbox"/> TRACKED ACTION ITEM <input checked="" type="checkbox"/> TRACKED INFORMATION ITEM <input type="checkbox"/> TRACKED RECOMMENDATION ITEM <input type="checkbox"/> UNTRACKED ITEM <input type="checkbox"/> HOLD POINT NOTIFICATION	
REFERENCE(S) CIO Weekly Report Number 26		

CONDITION DETAILS

In reviewing a checklist developed by Bechtel Lead Field Engineers as an aid in conducting Status Assessments to Procedure FPM-7.000 Rev. 1 (Mechanical System Status and Completion), the CIO noted that the checklist does not include all of the attributes required by the procedure.

If special checklists are to be used in statusing, these lists should be addressed by an administrative procedure that provides details on how the lists are to be prepared, used and controlled.

CPCo is requested to provide CIO with the intended use of these checklists and the attendant control measures to be provided.

YES (PAGE NO.'S) NO

DATE RESPONSE REQ'D. 1/16/84	INITIATOR/DATE <i>J. Khan</i> 1-6-84	INITIATION APPROVED/DATE <i>J. Khan</i> 1-6-84
---------------------------------	---	---

RESPONSE

Our response to Tracked Information Item #038 was sent by our letter No CSC-7134 dated January 5, 1984.

YES (PAGE NO.'S) NO

EST. CORRECTIVE ACTION COMPLETION DATE Action Complete	RESPONDENT BHPeck <i>BH</i>	TITLE Construction Superintendent	DATE 1/13/84
---	--------------------------------	--------------------------------------	-----------------

RESPONSE ACCEPTED	DATE	RESPONSE VERIFIED/CLOSED	DATE
-------------------	------	--------------------------	------

STONE & WEBSTER CONSTRUCTION IMPLEMENTATION OVERVIEW MIDLAND NUCLEAR PLANT J.O. NO. 14509	ITEM NUMBER 042	HOLD POINT NUMBER	<input type="checkbox"/> TRACKED ACTION ITEM <input checked="" type="checkbox"/> TRACKED INFORMATION ITEM <input type="checkbox"/> TRACKED RECOMMENDATION ITEM <input type="checkbox"/> UNTRACKED ITEM <input type="checkbox"/> HOLD POINT NOTIFICATION
REFERENCE(S) Interoffice Memorandum, SwBaranow to DLQuamme, CPCo Training of 10/21/83. CPCo Letter, DLQuamme to SwBaranow, File 0655, B1.1.7, Serial CSM-0696 of 10/28/83			

CONDITION DETAILS

The above referenced documents refer to the formalization of procedures for the training of CPCo personnel (SMO) who will be performing tasks relative to the Construction Completion Program.

It is requested that these procedures be provided to CIO for review and evaluation.

YES (PAGE NO.'S) NO

ATTACHMENTS

DATE RESPONSE REQ'D. 1/20/84	INITIATOR/DATE <i>JF Seely</i> 1-6-84	INITIATION APPROVED/DATE <i>[Signature]</i> 1-6-84
---------------------------------	--	---

RESPONSE

A copy of the training procedure for CPCo SMO personnel involved in the CCP was given to your John F Seely on January 6, 1984.

YES (PAGE NO.'S) NO

ATTACHMENTS

EST. CORRECTIVE ACTION COMPLETION DATE Action Complete	RESPONDENT BHPeck <i>[Signature]</i>	TITLE Construction Superintendent	DATE 1/13/84
---	---	--------------------------------------	-----------------

RESPONSE ACCEPTED	DATE	RESPONSE VERIFIED/CLOSED	DATE
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STONE & WEBSTER CONSTRUCTION IMPLEMENTATION OVERVIEW MIDLAND NUCLEAR PLANT J.O. NO. 14509	ITEM NUMBER 044	HOLD POINT NUMBER
REFERENCE(S) Meeting, January 6, 1984 - S&W CIO and CCo - General Discussions of open items	<input type="checkbox"/> TRACKED ACTION ITEM	
	<input checked="" type="checkbox"/> TRACKED INFORMATION ITEM	
	<input type="checkbox"/> TRACKED RECOMMENDATION ITEM	
	<input type="checkbox"/> UNTRACKED ITEM	
	<input type="checkbox"/> HOLD POINT NOTIFICATION	

CONDITION DETAILS

Pursuant to the referenced meeting it is requested that CIO be provided copies of the reports issued by TERA Corporation for their activities related to design of the Midland Nuclear Plant.

YES (PAGE NO.'S) NO

ATTACHMENTS

DATE RESPONSE REQ'D. 1/30/84	INITIATOR/DATE <i>J. E. Kan</i> 1-9-84	INITIATION APPROVED/DATE <i>J. E. Kan</i> 1-9-84
---------------------------------	---	---

RESPONSE

Donald B Tulodieski, TERA Corporation Project Manager, was requested by CCo SMO on January 10, 1984 to include S W Baranow, Stone & Webster, on Distribution for TERA reports related to the Midland Nuclear Plant.

YES (PAGE NO.'S) NO

ATTACHMENTS

EST. CORRECTIVE ACTION COMPLETION DATE Action, Complete	RESPONDENT BHPeck <i>[Signature]</i>	TITLE Construction Superintendent	DATE 1/13/84
--	---	--------------------------------------	-----------------

RESPONSE ACCEPTED	DATE	RESPONSE VERIFIED/CLOSED	DATE
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CONSUMERS POWER COMPANY
MIDLAND ENERGY CENTER

Transmittal No: CSC-7166

Date: January 13, 1984


To: Stone & Webster
P O Box 1963
Midland, MI 48640

Attached To: Partial Response To
 Complete Response To
 For Your Information
 Other

Description:

List dated 1-12-84 of Bechtel Construction Personnel trained to commence Status Assessment.

Replacement list dated 1-9-84 of Bechtel Construction Personnel trained to commence Status Assessment. This list apparently was detached from our January 12, 1984 transmittal.

Signature: 

cc: JGKepler, NRC Region III w/a
JJHarrison, NRC Region III w/a
RJCook, NRC Site w/a
RAWells, MPQAD w/a
BHPeck, MEC w/a
NIREichel, MEC w/a
DDJohnson, MEC w/a

Date	Team	Records Ready For Audit	Records Audited by Stone/Webster
10-12-83	SYS08MFE	Hines, Jeffrey 669322	
	SYS18LSE	Milke, Fred 681861	
	H6R31QR	Hummer, Dirk PDS-460	
	ARA26SPV4SPT	Davey, Lance 982939	
	SYS14EFE	Hatter, Gary 238768	
	ARA23RWYEFE	Revich, Mira 272790	
	ARA23RWYEFE	Vine, Edward 671688	
	HGR30MFE	Winter, Robert T+B	
	SYS19PLNR	Wyse, Stephen 926335	
	ARA24RWYEFE	Trimble, Robert 372425	
	ARA24RWYEFE	Smith, Jerry 887091	
	ARA25SPT	Streib, Willie 582990	
	SYS18IFE	Rohloff, Brod. 927534	
	ARA25QR	Pavledes, Chris 541488	
	ARA23RWYEFE	Patel, Ike 863236	
	ARA24RWYEFE	Cowell, Don 371980	
	ARA24RWYEFE	Kish, Charlie 371732	
	SYS14MFE	Southers, James 360587	
	H6R30MFE	Siebert, Stephen 359936	
	SYS18EFE	Rabe, Karl 905907	
	ARA25QR	McCluan, Jack 647977	
	SYS14MFE	Hildreth, Tom 267741	
	SYS14MFE	Easterby, Robert 203729	
	ARA25PLNR	Demos, Deb 664576	
	▽ SYS18MFE	Al-Kadhiri, A. 361353	

Date	Team	Records Ready For Audit	Records Audited by Stone/Webster
Jan. 9, 84	Sys 06 IFE	ANDREY, Steve 793958	
Jan. 9, 84	Sys 08 MFE	BIS, R.F. 757953	
Jan. 9, 84	Sys 17 PLNR	BRACKENBROUGH, DANNY 372628	
Jan. 9, 84	Sys 06 WFE	BROWN, DAVID 327660	
Jan. 9, 84	Sys 09 EFE	CHILES, CHRIS 967143	
Jan. 9, 84	Sys 19 EFE	COLLINS, THOMAS 411036	
Jan. 9, 84	Sys 09 MFE	CRAM, AL EG EG	
Jan. 9, 84	Sys 08 MFE	CRUZ, JESSE 637205	
Jan. 9, 84	Sys 18 SPV	CULHY, GEORGE 429254	
Jan. 9, 84	Sys 17 MFE	CZAPICKI, RANDI 327686	
Jan. 9, 84	Sys 09 EFE	DEEM, CHARLES 874455	
Jan. 9, 84	Sys 06 EFE	FEYEN, GORDON 905923	
Jan. 9, 84	Sys 18 PLNR	GATES, KERMIT 984867	
Jan. 9, 84	Sys 16 EFE	GILUK, EDWARD 0367200492	
Jan. 9, 84	Sys 14 PLNR	GRIEBEL, ELVIN 544884	
Jan. 9, 84	Sys 06 WFE	GROTHE, TONN 372003	
Jan. 9, 84	Sys 06 QR	HOSKER, C. 796840	
Jan. 9, 84	Sys 18 PLNR	KING, Nanci 372631	
Jan. 9, 84	Sys 06 EFE	LAPIDUS, E. 863471	
Jan. 9, 84	Sys 08 WFE	MANNING, JOSEPH 346131	
Jan. 9, 84	Sys 18 EFE	OGRAM, JAMES 384229598	
Jan. 9, 84	Sys 16 LSE	PAPENHUYZEN, CON 532918	
Jan. 9, 84	Sys 06 MFE	PRESCOTT, JAMES 361337	
Jan. 9, 84	Sys 17 PLNR	QUALIZZA, JOHN 908289	
Jan. 9, 84	Sys 06 PLNR	QUINN, HOWARD, 842125	
Jan. 9, 84	Sys 17 LSE	RASHID, MARK 222191	
Jan. 9, 84	Sys 06 MFE	RITTER, G. 550221	
Jan. 9, 84	Sys 17 MFE	TURLEY, DALLAN 327515	
Jan. 9, 84	Sys 16 MFE	WEBB, DAVID, 757353	



**Consumers
Power
Company**

Dean L Quamme
Site Manager
Midland Project

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

January 11, 1984

Mr S W Baranow
Stone & Webster Michigan, Inc
P O Box 1963
Midland, MI 48640

MIDLAND ENERGY CENTER GWC 7020
TRAINING OF CONSTRUCTION PERSONNEL
File: 0400.2, B1.1.7, 0655 UFI: 99*08, 53*50*04, 06*02
Serial: CSC-7156

Attached is a list of Bechtel construction personnel who have completed their training requirements to commence status assessment. Please contact E H Pillsbury, Bechtel Ext. 7167 to initiate your audit requirements on these individuals.

Dean L Quamme

DLQ/DDJ/klp

cc: JGKepler, NRC Region III w/a
JHarrison, NRC Region III w/a
RJCook, NRC Site w/a
RAWells, MPQAD w/a
BHPeck, MEC w/a
NIReichel, MEC w/a
GAHierzler, Bechtel w/a

PRINCIPAL STAFF		
RA	<i>h</i>	OPRP
D/RA		DE
A/RA		DRMSP
RC		DRMA
PAO		SCS
SGA		ML
TELF		File

orig + 3

8401190335

Date	Team	Records Ready For Audit	Records Audited by Stone/Webster
Jan 5, 84	SYS 06 IFE	Andrews, Denise 997390	
Jan 5, 84	SYS 06 MFE	Eisenhardt, Elaine 707007	
Jan 5, 84	SYS 06 MFE	Gavil, J.F. 347614	
Jan 5, 84	SYS 06 MFE	Macatangay, M. 312087	
Jan 5, 84	SYS 06 MFE	Moore, Richard 238700	
Jan 5, 84	SYS 08 EFE	Noppe, Lenard 863625	
Jan 5, 84	SYS 14 EFE	Rambo, Neil 679334	
Jan 5, 84	SYS 14 MFE	Jones, Roy C. 909317	
Jan 5, 84	SYS 17 WFE	Sikorski, C. T&B 30842	
Jan 5, 84	SYS 17 EFE	Leigeb, Randy 238544	
Jan 5, 84	SYS 17 MFE	Stover, Wayne 863577	
Jan 5, 84	SYS 17 SPV	French, J.W. 283226	
Jan 5, 84	SYS 17 MFE	Grant, Gary 371435	
Jan 5, 84	SYS 17 MFE	Johnson, Kevin 905818	
Jan 5, 84	SYS 17 MFE	Osmanoki, A 430533	
Jan 5, 84	ARA 27 GR	Akers, Ron CL-111	
Jan 5, 84	ARA 27 CFE	DiPonio, Steve 327537	
Jan 5, 84	ARA 27 CFE	Edmeyer, E. 327917	
Jan 5, 84	ARA 27 CFE	Musial, M. 328428	
Jan 5, 84	ARA 27 CFE	Santoro, C. 328147	
Jan 5, 84	ARA 29 CFE	Ochmanek, T T&B 30455	
Jan 5, 84	ARA 29 CFE	Raymond, T. 327678	
Jan 5, 84	ARA 29 CFE	Souders, Greg 777263	
Jan 5, 84	ARA 29 LFE	Wolf, Can 238479	

Date	Team	Records Ready For Audit	Records Audited by Stone/Webster
Jan. 9, 84	Sys 06 IFE	ANDREY, Steve 793958	
Jan. 9, 84	Sys 08 MFE	BIS, R.F. 757953	
Jan. 9, 84	Sys 17 PLNR	BRACKENBROUGH, Terry 372628	
Jan. 9, 84	Sys 06 WFE	BROWN, DAVID 327660	
Jan. 9, 84	Sys 09 EFE	CHILES, Chris 967143	
Jan. 9, 84	Sys 19 EFE	COLLINS, Thomas 411036	
Jan. 9, 84	Sys 09 MFE	CLAM, AL EGEG	
Jan. 9, 84	Sys 08 MFE	CRUZ, Jesse 637205	
Jan. 9, 84	Sys 18 SPV	CULBY, George 429254	
Jan. 9, 84	Sys 17 MFE	CZAPICKI, Randi 327686	
Jan. 9, 84	Sys 09 EFE	DEEM, CHARLES 874155	
Jan. 9, 84	Sys 06 EFE	FEYEN, Gordon 905923	
Jan. 9, 84	Sys 18 PLNR	GATES, Kermit 984867	
Jan. 9, 84	Sys 16 EFE	GILUK, Edward 036720492	
Jan. 9, 84	Sys 14 PLNR	GRIEBEL, Elvin 544884	
Jan. 9, 84	Sys 06 WFE	GROTHE, Todd 372003	
Jan. 9, 84	Sys 06 QR	HOSLER, C 796840	
Jan. 9, 84	Sys 18 PLNR	KING, Nanci 372631	
Jan. 9, 84	Sys 06 EFE	LAPIDUS, E. 863471	
Jan. 9, 84	Sys 08 WFE	MANNO, Joseph 346131	
Jan. 9, 84	Sys 18 EFE	OGRAM, James 384229598	
Jan. 9, 84	Sys 16 LSE	PAPENHUYZEN, Con 532918	
Jan. 9, 84	Sys 06 MFE	PRESCOTT, James 361337	
Jan. 9, 84	Sys 17 PLNR	QUALIZZA, John 908289	
Jan. 9, 84	Sys 06 PLNR	QUINN, Howard, 842125	
Jan. 9, 84	Sys 17 LSE	RASHID, MARK 222191	
Jan. 9, 84	Sys 06 MFE	RITTER, G. 550221	
Jan. 9, 84	Sys 17 MFE	TURLEY, Dallas 327515	
Jan. 9, 84	Sys 16 MFE	WEBB, David, 757353	



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

PRINCIPAL STAFF	
VP	VP
D/RA	DE
A/RA	DRIVE
EC	CEWA
	CSC ✓
	IL
	File

orig + 3

January 10, 1984

Mr. D. L. Quamme
 Consumers Power Company
 Midland Nuclear Plant
 3500 E. Miller Road
 Midland, Michigan 48640

Subject: Docket No. 50-329/330
 Midland Plant - Units 1 and 2
 Overview of the Construction
 Completion Program
 Serial No. SWMCP-008

Re: Hanger Re-inspection Program (HRP)
 CPCo letter Serial CSC 7115

The reference letter identifies hangers that will be subject to varying degrees of inspection by MPQAD.

Please provide the following information for use by CIO in scheduling verification activities and developing sampling plans:

1. Identification (Mark #) of all affected hangers
2. Tabulation of hangers which fall into each inspection category
3. Schedules pertinent to each activity
4. Notification of any meetings discussing HRP.
5. Copies of relevant correspondence.

S. W. Baranow
 Program Manager

SWB/fs

cc:
 JGKeppler, US NRC Glen Ellyn, IL
 JHarrison, US NRC Glen Ellyn, IL
 RJCook, US NRC Midland (site)
 RAWells, CPCo Midland (site)
 RBKelly, S&W
 APAmoruso, S&W

~~8401190368~~

JAN 16 1984



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

January 10, 1984

Mr. D. L. Quamme
Consumers Power Company
Midland Nuclear Plant
3500 E. Miller Road
Midland, Michigan 48640

Subject: Docket No. 50-329/330
Midland Plant - Units 1 and 2
Overview of the Construction
Completion Program
Serial No. SWMCP-009

Re: Hold Point By-Pass
CIO Weekly Report #25
CPCo Letter Serial CSC 7110

Page 2 meeting note B of CIO Weekly Report #25 identified a CIO concern regarding by-passing of QC Hold Points as reported in NCR-C00628, C00640 and C00650.

CIO has reviewed the NCRs, additional correspondence and relevant PQCI's and concurs that the hold points were established in Revision 13 of PQCI E-5.0 and that any inspection performed prior to Revision 13 would not invoke a QC hold.

S. W. Baranow
Program Manager

SWB/fs

cc:
JJKeppler, US NRC Glen Ellyn, IL
JHarrison, US NRC Glen Ellyn, IL
RJCook, US NRC Midland (site)
RAWells, CPCo Midland (site)
RBKelly, S&W
APAmoruso, S&W

JAN 16 1984

STONE AND WEBSTER MICHIGAN, INC.
 P.O. BOX 1963, MIDLAND, MICHIGAN 48640

DATE	1-11-84
J. O. NO.	14509
P. O. NO.	N/A
LTR. NO.	SWOC-84-007
REF.	N/A

VIA

TO D. L. QUAMME, CCo Midland (site)

DEAR SIRs:

THE FOLLOWING ARE ATTACHED: SENT SEPARATELY:

COPIES	PRINTS	REPRODUCIBLES	MICROFILM APERTURE CARD
EACH OF			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DRAWINGS	SPECIFICATIONS	NOTES OF CONFERENCE	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DOCUMENTS			

STATUS		PLEASE NOTE	SENT FOR YOUR		
<input type="checkbox"/> FINAL	<input type="checkbox"/> APPROVED	<input type="checkbox"/> REVISIONS	<input type="checkbox"/> OMISSIONS	<input type="checkbox"/> APPROVAL	<input type="checkbox"/> COMMENT
<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> APPROVED AS REVISED AS DEFINED IN SPECIFICATION	<input type="checkbox"/> ADDITIONS	<input type="checkbox"/> CORRECTIONS	<input type="checkbox"/> USE	<input type="checkbox"/> INFORMATION
<input type="checkbox"/> NO COMMENT	<input type="checkbox"/> UNACCEPTABLE	<input type="checkbox"/> COMMENTS	<input type="checkbox"/>	<input type="checkbox"/> FILES	<input type="checkbox"/> CONCURRENCE
<input type="checkbox"/> SUGGESTIONS AS NOTED	<input checked="" type="checkbox"/> OPEN			<input checked="" type="checkbox"/> ACTION	

YOUR ATTENTION IS DIRECTED TO THE FOLLOWING:

RELEASED FOR: FABRICATION PURCHASE OF NECESSARY MATERIALS

PLEASE REVISE AND SUBMIT _____ PRINTS _____ REPRODUCIBLES _____ MICROFILM APERTURE CARDS.

PLEASE SUBMIT _____ PRINTS _____ REPRODUCIBLES _____ MICROFILM APERTURE CARDS OF DOCUMENTS DRAWINGS SHOP DATA

PLEASE RETURN ONE COPY EACH OF THIS MATERIAL BEARING YOUR APPROVAL OR COMMENTS.

PLEASE ACKNOWLEDGE RECEIPT OF THIS MATERIAL BY SIGNING AND RETURNING THE ENCLOSED COPY OF THIS FORM.

WE TRUST THAT THESE NOTES ARE IN ACCORDANCE WITH YOUR UNDERSTANDING. IF NOT, PLEASE ADVISE US.

IMPORTANT SHOULD ANY REVISION TO DOCUMENTS OR DRAWINGS RETURNED HERewith INVOLVE A PRICE INCREASE THE SUPPLIER MUST NOTIFY STONE WEBSTER PURCHASING DEPARTMENT WITHIN TEN (10) DAYS EVEN THOUGH A DEFINITE ESTIMATE CANNOT BE GIVEN AT THE TIME. OTHERWISE, THE PURCHASER WILL CONSIDER THE REVISIONS MADE WITHOUT COST.

The following Open CIO Item/Hold Point Notification(s) is (are) attached for your action/information:

Item # 044

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

cc: JGKepler, US NRC
 JHarrison, US NRC
 RJCook, US NRC
 RAWells, CCo
 CIO Site File

JAN 10 1984

STONE & WEBSTER CONSTRUCTION IMPLEMENTATION OVERVIEW MIDLAND NUCLEAR PLANT J.O. NO. 14509		ITEM NUMBER 044	HOLD POINT NUMBER
REFERENCE(S) Meeting, January 6, 1984 - S&W CIO and CCo - General Discussions of open items		<input type="checkbox"/> TRACKED ACTION ITEM	
		<input checked="" type="checkbox"/> TRACKED INFORMATION ITEM	
		<input type="checkbox"/> TRACKED RECOMMENDATION ITEM	
		<input type="checkbox"/> UNTRACKED ITEM	
		<input type="checkbox"/> HOLD POINT NOTIFICATION	
CONDITION DETAILS Pursuant to the referenced meeting it is requested that CIO be provided copies of the reports issued by TERA Corporation for their activities related to design of the Midland Nuclear Plant.			
		<input type="checkbox"/> YES (PAGE NO.'S) <input checked="" type="checkbox"/> NO	
ATTACHMENTS			
DATE RESPONSE REQ'D. 1/30/84	INITIATOR/DATE <i>J. E. Kan</i> 1-9-84	INITIATION APPROVED/DATE <i>J. E. Kan</i> 1-9-84	
RESPONSE			
		<input type="checkbox"/> YES (PAGE NO.'S) <input type="checkbox"/> NO	
ATTACHMENTS			
EST. CORRECTIVE ACTION COMPLETION DATE	RESPONDENT	TITLE	DATE
RESPONSE ACCEPTED	DATE	RESPONSE VERIFIED/CLOSED	DATE



STONE & WEBSTER MICHIGAN, INC.

~~① Hatch~~
② File

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

PRINCIPAL STAFF	
✓	has
	sig+3
	has

January 17, 1984

Mr. D. L. Quamme
Consumers Power Company
Midland Nuclear Plant
3500 E. Miller Road
Midland, Michigan 48640

Subject: Docket No. 50-329/330
Midland Plant - Units 1 and 2
FCR/FCN Stop Work Orders
Serial No. SWMCP-012

Re: CPCo letter, DLQuamme to SWBaranow, subject
as above, file CSM-0719 of January 16, 1984

CIO has received and reviewed the referenced letter. Based upon this review, the CPCo response is acceptable with one exception. In using designated Status Assessment Prints (SAPs), please clarify how the possibility of receiving a revised document during the 30 day life of a SAP and subsequently using an outdated document will be precluded.

Please include this information in your response to CIO Item Report Number 043 when the report form is returned to CIO. For the remainder of the information required by Item 043, identifying the above referenced letter will be sufficient.

J. E. Karr
CIO Program Manager

JEK/fs

cc:
JGKepler, US NRC Glen Ellyn, IL
JHarrison, US NRC Glen Ellyn, IL
RJCook, US NRC Midland (site)
RAWells, CPCo Midland (site)
RBKelly, SWEC
APAmoruso, SWEC

JAN 23 1984



**Consumers
Power
Company**

Dean L. Quamme
Site Manager
Midland Project

Midland Project: PO Box 1963, Midland, MI 48840 • (517) 631-8650

January 16, 1984

Mr S W Baranow
Stone & Webster
P O Box 1963
Midland, MI 48640

PRINCIPAL STAFF		
RA	RP	FRP
D/RA		DE
A/RA		DMSP
RC		DTA
BAO		SGA
SSA		

right 3

MIDLAND ENERGY CENTER
FCR/FCN STOP WORK ORDERS

File: 31.17, 0460.3 UFI: 99*08, 73* Serial: CSM-0719

As presented during our discussion on January 16, 1984, this letter transmits the actions which have or will be taken to address the concerns identified in MPQAD Management Corrective Action Request/Report (MCARR) DAT-1 and Stone & Webster Construction Implementation Overview Item Number 043.

The specific outline of short-term and long-term corrective actions is given in Attachment 1. Included in this attachment is the discussion on document control actions to be taken in relation to lifting the FCR/FCN Stop Work Orders.

The resolution and document control process for soils are being provided in Attachments 2 and 3. Specifically, as we discussed on January 16, 1984, Soils will work to documents processed through Document Control Stations 8, 10, 13, 24 and 64. The approach toward document distribution for Status Assessment and Quality Verification Program activities, however, has been re-evaluated to provide direct control of distribution from the Field Document Control Center (Station 59). As outlined in Attachment 4, Work Prints and Installation Status Assessment Prints will be processed and controlled. Bechtel Field Procedure FPD-1.000, FPD-3.000 and FPG-7.500 have been revised to address this process. These procedures have been approved on January 16, 1984.

Installation Status Assessment will only utilize "Status Assessment Prints (SAPs)", and Quality Verification will only utilize "Work Prints". Other packaged construction activities where specific documents are utilized and controlled, such as Construction Work Plans (CWPs), will also only utilize work prints. All Status Assessment Prints and Work Prints will be identified as such on the document.

As we discussed, we will continue to release on a discipline-by-discipline basis. We will continue to coordinate this effort with you through Norm Reichel.

If you have any further questions regarding this subject, please do not hesitate to contact me directly.

DLQ/DAT/pp

Dean L. Quamme

JAN 20 1984

Page 2
CSM-0719
January 16, 1984

CC: JHarrison, NRC Region III
RJCook, NRC Site
JGKepler, NRC Region III
RAWells, MEC
NIREichel, MEC
BHPeck, MEC
DDJohnson, MEC
JKMeisenheimer, MEC
DATaggart, MEC

FE-AI-J-586

QA-AI-S-04146

CPCo-MCAR/R-DAT-1

Detailed below is Construction's complete response to the subject MCAR/R.

ROOT CAUSE

Lack of full implementation to established procedures at certain station locations. The magnitude of the revised documents being distributed to the stations has impacted document control compliance following the issue of the Stop Work Order. In order to support actions necessary to correct deficiencies associated with SWO FSW 33-41, several interim registers are being utilized for document control. We regard this as inadequate for long term document control.

CORRECTIVE ACTION TAKEN

SHORT TERM

Improvements In Administrative Coordination During The SWO

Registers and distribution deficiencies noted by MPQAD and/or Stone and Webster have been corrected. We will continue to release documentation for audit by discipline groups. As noted in the MCARR, the magnitude of document distribution associated with the stop work along with our accelerated movement to automated registers has impacted compliance with established procedures. To reduce non-compliances the following actions have been taken or are planned:

1. Increasing oral and written communications between document control and recipient organizations. Daily sessions began December 5, 1983 and have included status updates, explanation of documents, procedures and process changes associated with the stop work. Status handout and other written materials are distributed in the meetings.
2. Training sessions for field employees including Bechtel, SMO, MPQAD, and subcontractors who are updating/auditing sticks were held on January 6, 1983. These sessions provided a review of drawing, specification, FSK, one time deviation, vendor, and change paper registers being used on the jobsite, and in addition, the FDDL (Field Document Distribution List).

3. Adding additional supervisory personnel to the document control center to improve the interface with recipient organizations and improve monitoring of the work.
4. Increasing levels of register verification due to the accelerated schedule of converting from primarily manual to automated document control register systems. This effort began in early December, 1983.
5. Drawing and revision registers will continue to be distributed to document distribution locations for use as a master reference.
6. Bechtel management and MPQAD have reviewed and reduced the number of distribution points on site, and the amount of distribution to each location. Both types of reductions will significantly reduce the volume to be reproduced and distributed by FDCC, (Field Document Control Center).

Document Control Actions Associated With Lifting SWD 33-41

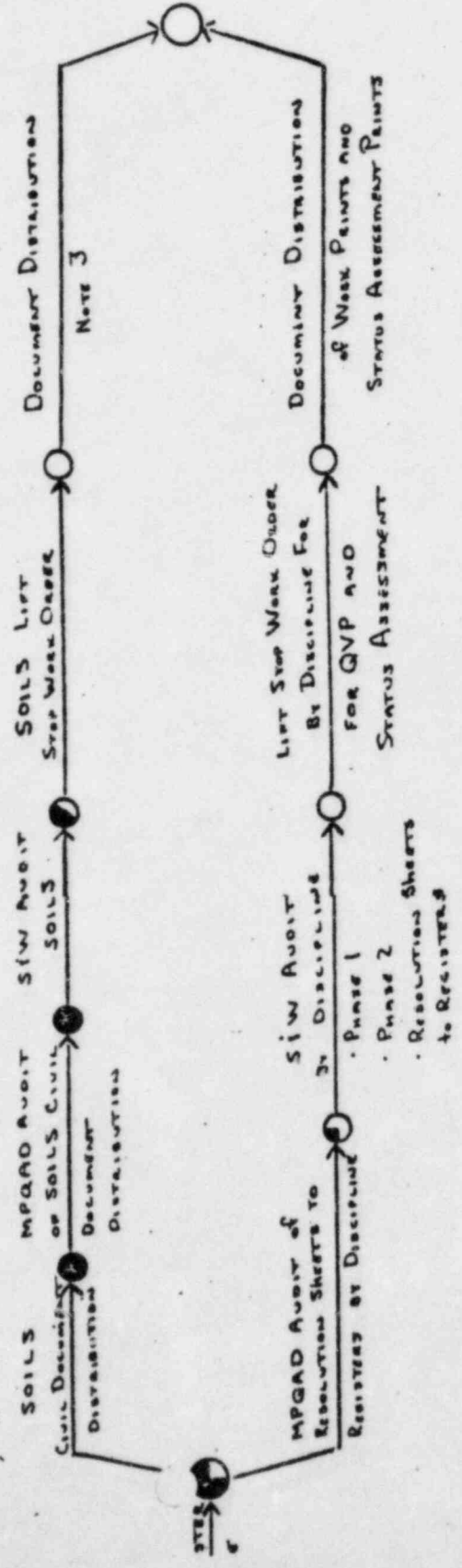
Field procedures FPD 1.000 and FPD 3.000 are being revised to incorporate changes in the status assessment print and workprint process. The procedures address the comparison of the registers with any workprint or status assessment print to be used in the field. All workprints and status assessment prints will be distributed from the FDCC (Station 59) and be verified against the Composite Register. Following release of FSO by MPQAD, distribution to existing stick locations will proceed in accordance with procedures. All distribution will originate from the FDCC, utilizing latest Composite Register as reference. Actions taken or planned include:

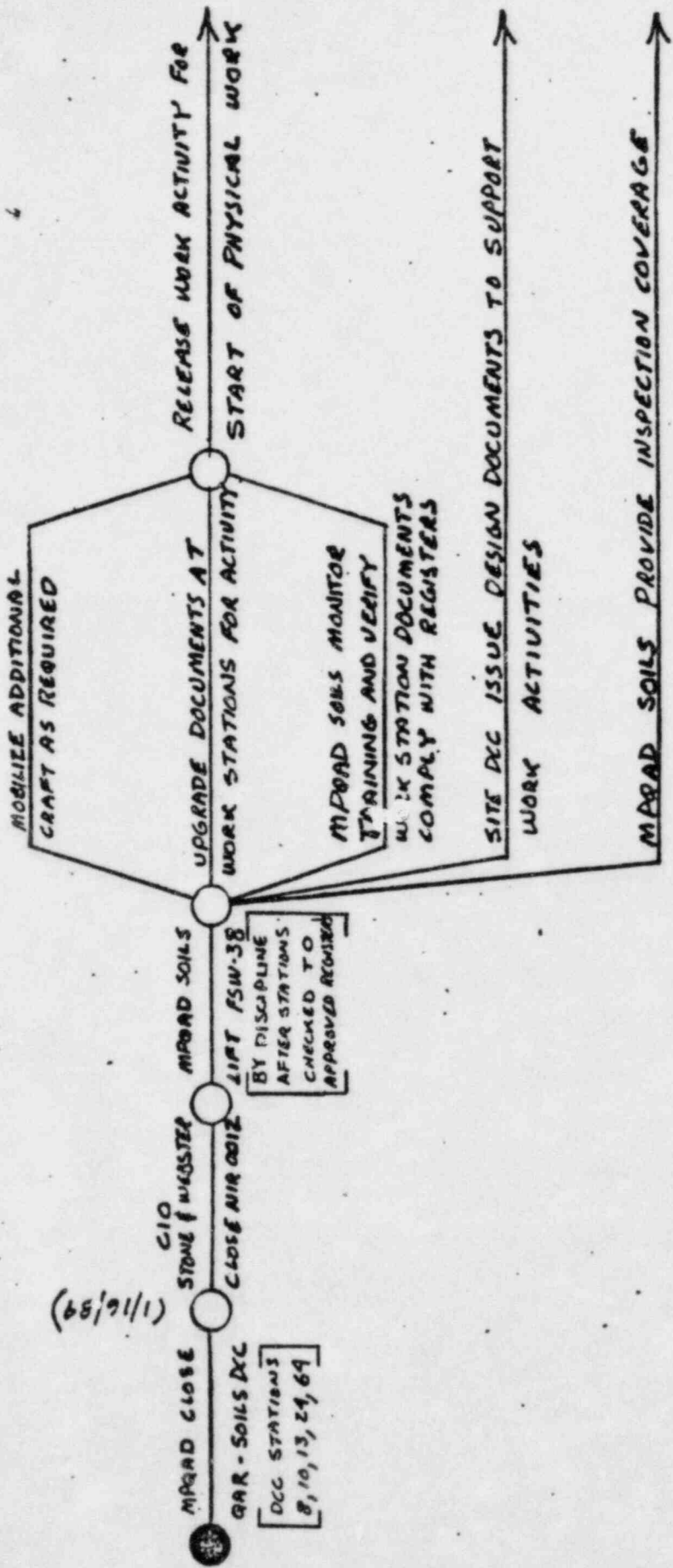
1. Completing the composite registers for drawings, specifications, vendor prints, FSK's and associated change paper incorporating the results indicated on the resolution sheets.
2. Revise FPD 1.000 and FPD 3.000 and instruct document control and field engineering in the new procedures.

LONG TERM

A detailed plan, including forecast completion dates will be submitted by February 10, 1983. A majority of the long term corrective actions were either in the planning or implementation phase prior to issuing of SWD FSW 33-41. These corrective actions were based on internal Bechtel decisions or decisions associated with the implementation of the Master Document Control Center on site. (This is a joint Consumers Power/Bechtel activity initiated in mid 1983). Specific corrective action items that will be undertaken by Bechtel and Consumers Power include:

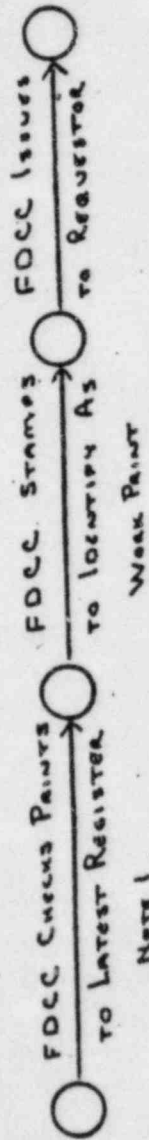
1. Evaluating further the number of distribution points actually required on the jobsite, eliminating distribution points where possible.
2. Assigning functional responsibility for the updating of all document distribution locations, regardless of recipient organization, to document control. This will include procedures, training, distribution, updates and routine auditing.
3. Completing implementation of a single data base creating a shared, interactive document control register for the project on System 38. This register will serve as a single source of information on document status throughout the project. In addition, the current combination of automated and manual systems, utilizing differing formats and terminology will be reduced to one data base with consistent updating and processing requirements, formats and terminology.
4. Improving the accuracy and usefulness of the FDDL (Field Document Distribution List) through regular review by recipient organizations of distribution requirements, followed by regular distribution of the FDDL. The FDDL will also be converted to System 38 from the current automated and manual format.
5. Reviewing document control procedures for interface problems, omissions and/or inconsistencies.





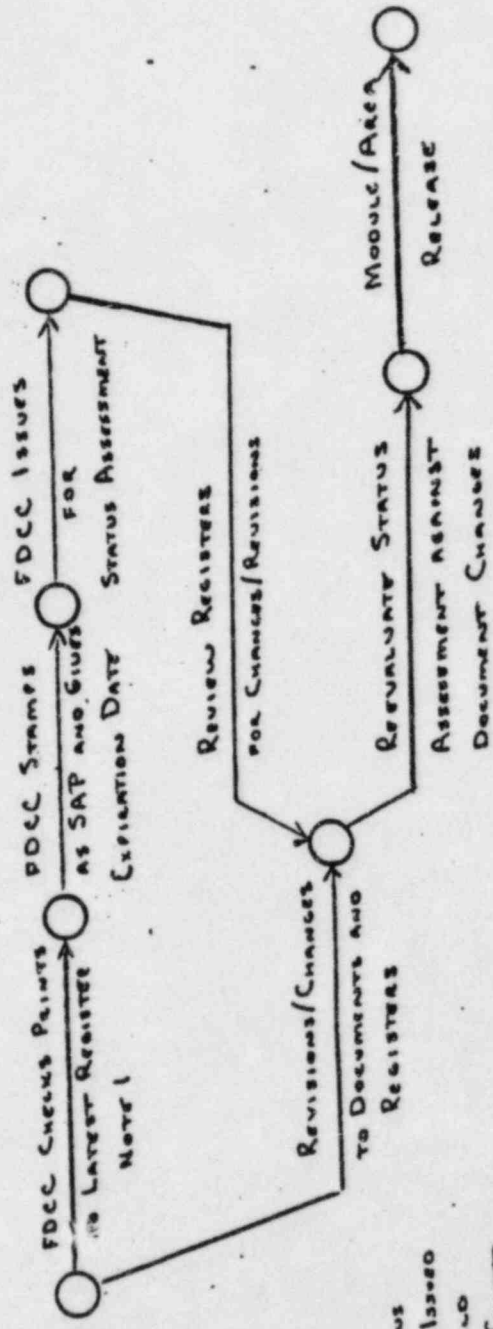
RELEASE AND CONTROL OF SOILS WORK

JKM 1/19/89



WORK PRINTS

INSTALLATION STATUS ASSESSMENT PRINTS (SAPS)



Note: 1 All Work and Status Assessment Prints Issued Directly from Field Document Control Center (Station 57) only

STONE & WEBSTER ENGINEERING CORPORATION

245 SUMMER STREET, BOSTON, MASSACHUSETTS



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

W U. TELEX 94-0001
94-0977

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D/RA	DE
A/RA	
RC	DE
PAO	503 ✓
SGA	IL
ENF	FILE ✓

orig + 3

Mr. J. J. Harrison
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

January 16, 1984

J.O.No. 14358
MPS-45

DOCKET NO. 50-329/330
MIDLAND PLANT - UNITS 1 AND 2
INDEPENDENT ASSESSMENT OF UNDERPINNING
AFFIDAVITS AND RESUMES FOR ADDITIONAL TEAM MEMBERS

Stone & Webster's subcontractor, Parsons Brinckerhoff Michigan, Inc., has found it necessary to supplement their staff assigned to the Independent Assessment Team. In this regard, affidavits and resumes are enclosed for Mr. John P. Oliveira and Mr. Bernard A. Metros. Mr. Oliveira and Mr. Metros meet the independence requirements for this work. The original Parsons Brinckerhoff team members may still participate in the continuing assessment work.

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

A. S. Lucks
Project Manager

Enclosures

ASL:nsd

8401240610 SIP

JAN 20 1984

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 OH
50-330 OH
Docket No 50-329 OL
50-330 OL

December 28, 1983

AFFIDAVIT OF _____

My name is Bernard A. Metros I am employed by Parsons Brinckerhoff/Tudor
as Construction Engineer Engineering Company

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.

* I was employed by Bechtel as Resident Engineer prior to 1977.

Sworn and Subscribed Before Me This 30 Day of 12 1983.

Notary Public
Jackson County, Michigan

Bernard A. Metros
Bernard A. Metros

My Commission Expires _____

Donna Tatel
Donna Tatel - Notary Public
Fulton County, Georgia

Notary Public, Georgia, State at Large
My Commission Expires Jan. 29, 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 OH
50-330 OH
Docket No 50-329 OL
50-330 OL

December 28, 1983

AFFIDAVIT OF _____

My name is John P. Oliveira I am employed by Parsons Brinckerhoff Tudor
as Construction Engineer. Engineering Company

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.

* I was employed as Construction Superintendent for a joint venture of P and Z/Mergentime prior to 1972.

Sworn and Subscribed Before Me This 20 Day of 12, 1983.

Notary Public
Jackson County, Michigan

John P. Oliveira

Notary Public
Fulton County, Georgia

My Commission Expires _____

My commission Expires
Notary Public, Georgia, State at Large
My Commission Expires Jan. 29, 1985

BERNARD A. METROS
Resident Engineer

Education
Chicago Tech, BSCE, 1954

Experience

Mr. Metros has over 35 years in the heavy construction industry, rising through the ranks from tradesman and foreman to superintendent and Engineer. His experience includes tunnelling, underpinning, highway, highway and railroad bridges, steel mill, water plant, and rapid transit. Mr. Metros' experience also includes the development and implementation of a viable construction program, utilizing native labor and supervisors, in an underdeveloped Asian nation.

Mr. Metros is currently the resident engineer for the Metropolitan Atlanta Rapid Transit Authority (MARTA) performing construction management of three major transit projects: the \$50 million Five Points Station; a \$13 million open cut subway and at-grade line segment; and a \$10 million at-grade and aerial structure line segment. His major responsibilities include contract administration and quality assurance. Construction involved on these projects include soldier pile and slurry wall excavation supports systems, tie-back and external bracing of support systems; underpinning; cast-in-place and precast concrete; post tensioned segmental precast concrete members; structural erection; marble, granite and tile architectural finishes and associated electrical and mechanical features.

Previous Experience

As resident engineer for the Washington Metropolitan Area Transit Authority he was responsible for construction management of the \$40 million L'Enfant Plaza Station.

Chief of Construction section, Third Combat Tactical Zone in Vietnam. Mr. Metros was responsible for development and implementation of a \$120 million construction program utilizing indigenous labor and contracting forces. This program was non-existent prior to this effort and involved supervision of design, specifications, awarding of contract, and construction management.

Resident engineer for the City of Chicago, Department of Public Works, Division of Bridges and Viaducts. Mr. Metros was in complete control of the following projects which involved dredging, cofferdam construction, sewer and road construction, and movable and fixed bridges with related electrical and mechanical work..

- o Railroad Underpass at 40th and Ashland.
- o Fixed Bridges at Archer and Ashland.,
- o The East 95th Street Movable Bridge.
- o The Halsted Street River bridge over the North Branch of the Chicago River.
- o The Damen Avenue Sky-Way which extends for one and one quarter miles over railroad facilities.

JOHN PATRICK OLIVEIRA
Technical Specialist for Tunneling and Underpinning

Education

Johns Hopkins University, B.S. Chemical Engineering, 1963

Mr. Oliveira is a technical specialist for tunneling and underpinning and has served in the technical services division of the firm's joint venture for construction of the Metropolitan Atlanta Rapid Transit Authority (MARTA) system. In nearly 20 years of construction experience, he has worked on several stations and line sections of both the MARTA system and, with other firms, the Washington Metropolitan Area Transit Authority (WMATA) subway system in Washington, D.C.

He is coauthor of a monograph on tunnel photography for the Urban Mass Transportation Administration. His work with the firm includes several roles at the MARTA rapid transit project in Atlanta:

- MARTA technical specialist responsible for pile load tests; concrete and painting tests; instrumentation for stress analysis; and inspection of plant-fabricated structures.
- MARTA field inspector for drilling and blasting, steel-setting, and shotcreting phases of tunneling. In this capacity, he worked on several types of tunneling: compressed air, soft-ground, and hard-rock.
- MARTA building underpinning inspector. Mr. Oliveira worked on the underpinning of the Continental Insurance Building and the Merchandise Mart. The work involved installation of rock dowels and bolts, installation of tie backs, cut-and-cover, and shotcrete.

Previous Experience

- Pile driver foreman for a foundation company, Bethesda, Maryland. Mr. Oliveira was foreman for pile

driving and for sheeting, shoring, and foundation work, including setting up and laying out.

Mr. Oliveira participated in various phases of construction of the WMATA system as an employee of three firms:

- Underpinning superintendent for a New York City firm working on the WMATA system. He supervised the underpinning of buildings for the Clarington Station.
- Employee for another New York City underpinning and foundation company working on the WMATA system. He worked on underpinning of buildings for the 7th Street subway station, including work with welding machines, hydraulic pumps, and jacks.
- Foreman for shaft and tunneling operations for three stations of the METRO system and foreman for underpinning and sheeting and shoring of a fourth station, all while employed as miner and miner foreman for a Washington, D.C., firm. The stations for which he was foreman for shaft and tunneling operations were Union Station, 9th Street Station, and G Street Station; he was foreman for underpinning and sheeting and shoring for the National Gallery Station.

Publications

- Monograph on Tunnel Photography (coauthor), UMTA-GA-06-0007-81-1, March 1981.



**Consumers
Power
Company**

① Warnock
② File

Dean L Quamme
Site Manager
Midland Project

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

January 12, 1984

Mr S W Baranow
Stone & Webster Michigan, Inc
P O Box 1963
Midland, MI 48640

PRINCIPAL STAFF	
RA	DE
D/RA	DE
A/RA	DRMSP
PS	DRMA
RO	SCS
SA	ML
ENF	File

orig+3

MIDLAND ENERGY CENTER GWO 7020
PQCI'S FOR MODULE 340 AND AUDIT REPORT MSA-83-39
File: 0655, B1.1.7 UFI: 53*50*04, 99*08 Serial: CSC-7160
18.4, 0460.3 73*03*03

Attached per your request is the subject information. Please note that the item regarding PQCI's to be used in the Quality Verification and Status Assessment in Module 340 was provided to you on January 11, 1984.

Dean L Quamme

DLQ/DDJ/klp

cc: JGKepler, NRC Region III w/a
JHarrison, NRC Region III w/a
RJCook, NRC Site w/a
RAWells, MPQAD w/o
BHPeck, MEC w/o
NIRichel, MEC w/o

JAN 23 1984

To Stone & Webster

Stone & Webster

On January 11, 1984, in a discussion between our Mr. D. F. Ronk and ~~Stone & Webster~~ ^{your} Mr. Walter Sienkiewicz, requested a list of PQCI's expected to be used in the Quality Verification & Status Assessment of Module 340. The requested list is as follows:

We expect to utilize the following PQCI's to verify closed inspection records (IR) associated with Module 340.

C -1.10	C -5.10	E -2.0
C -1.31	C -7.00	E -2.1
c -1.40	C -8.51	E -1.2
C -4.00	W -1.00	C -1.52
C -6.00	CW-1.00	P -1.90
C -8.50	R -1.00	P -2.30
C -1.50	E -1.0	PI-1.90
C -2.10		

We expect to use the following PQCI's, in addition to some of those listed above, in the Status Assessment program of Module 340.

E -1.10	P -2.10	PI -1.40
E -6.0	P -2.20	PW -1.00
P -1.00	T -1.00	PIW-1.00
P -1.10	MP -1.00	WR -5
P -1.20	PE -1.10	C -1.20
P -1.30		

At this time, the association of IRs with Module 340 is not complete. We will provide any additional PQCI's that are expected to be used in Module 340 as they are determined.

Please contact D F Ronk at extension 7155 if you have any questions regarding this matter.

cc RAWells
DFRonk
BMPalmer



Consumers
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AUDIT REPORT

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT

DATE OF ISSUANCE 1/10/84

PAGE 1 OF 5

DISTRIBUTION: SBaranow HPLeonard ALAB-2 JABauer BWMarguglio/DJones THGamon AEBice JKMeisenheimer WAHedzik WRBird/JPKnight JAMooney MDewitt JEBrunner DHQuamme DHorn RBCameron JARutgers HPerrine JWCook RCSember JLWood RJEhardt DATaggart SZeller GFEwert RAWells WJFriedrich JLWood			AUDIT NO: MSA-83-39
			FILE NUMBER: 18.4
			DATE OF AUDIT: 12/12/83 - 12/22/83
			ORGANIZATION AUDITED: MPOAD - Soils/BOP/HVAC
SIG. OF AUDIT TEAM LEADER/DATE: <i>W. A. Hedzik 1/10/84</i>		APPROVED BY/DATE: <i>RCSember 1/10/84</i>	PLANT & PROJECT: Midland 1 & 2

I. OBJECTIVES & SCOPE

The objective of this audit was to evaluate the adequacy and implementation of the following quality system requirements: NCR/QAR processing and resolution systems.

The scope of the audit included preparation, processing, resolution, voiding and close out of nonconformance problems documented by NCRs and QARs. Included in the scope are MPQAD Soils, HVAC and BOP activities as well as the Nutech NCR reconciliation program.

II. AUDIT TEAM

The Consumers Power Company audit team consisted of the following personnel:

T H Gamon - Audit Team Leader
 W A Hedzik - Acting Audit Team Leader
 G V Wenninger - Auditor
 R B Cameron - Auditor-in-Training
 J Nicholas - Auditor-in-Training
 R Carvel - Auditor-in-Training
 W Gratza - Auditor-in-Training

III. PERSONNEL CONTACTED DURING AUDIT

The following personnel were contacted during the course of the audit:

NAME	COMPANY	TITLE	ENTRANCE	AUDIT	EXIT
F H Schulmeister	CP Co	MPQAD-PAE	X		
J P Knight	CP Co	DQAE - Jackson	X		X
S D DePillo	CP Co	MPQAD - Soils	X	X	
J Abeles	Nutech	QA Manager	X	X	
G B Sanders	Nutech	Eng. Manager	X	X	
S Cox	CP Co	HVACA - Adm. Supv.	X	X	
G Parker	CP Co	PAE	X		
C Miller	BPCo	Res. QE, Group Lead	X		X
J L Wood	CP Co	HVAC - Asst. Supt.	X	X	

F-14-6A (REV. 0)



Consumers
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AUDIT REPORT

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT

CONTINUATION SHEET

AUDIT NO. MSA-83-39 PAGE 4 OF 5

V. C. OBSERVATION #2

Several NCRs reviewed during the audit have careless errors, indicative of insufficient attention to detail, such as:

- A. NCR #C-00344 - prepared on 9/7/83, reviewed on 9/19/83 and a change indicated on 7/8/83.
- B. NCR #C-00537 - Block #8 not checked.
- C. General - Blank continuation sheets included with NCRs.
- D. General - Questionable trend codes.

(Attention W Friedrich, items A & B) No response required, A thru D.

OBSERVATION #3

A review of MB-FP-8, Open Nonconformance Reports, revealed that some of the reports were not completed in a clear and structured manner. It was stated by HVAC that all the open NCRs will be transferred to the applicable form in the upcoming revision of F-2M. This is being accomplished to provide consistency and at the same time will provide for clearly defining the extent of the NCR, i.e. references, requirements, violations and resolutions. (Attention J L Wood/H Perrine) No response is required.

D. Exit Meeting

An exit meeting with those personnel identified in Section III of this report was conducted on December 22, 1983. During this meeting, the results of the audit were presented.

VI. PROGRAM EVALUATION OF EFFECTIVENESS

The system for processing and resolution of NCRs and QARs was found to be an effective means of identifying potential problems.

The AFRs and URIs issued as a result of this audit are of an administrative nature. They represent what appears to be a lack of attention to conformance of procedure detail, i.e. data not recorded or improperly recorded, inconsistent status of NCRs/QARs, insufficient data, missing tags. Some examples are AFRs 01F, 02F, 04F, 05F, 13F and 14F.

It is recommended that personnel involved in the processing and resolution of NCRs/QARs and their maintenance, i.e. logs, files, working systems, be instructed in the importance of maintaining these important documents to program requirements as described in the procedures. Periodic training classes or retraining classes should be established and conducted to continuously familiarize personnel to both

(continued)

F-1M-6B (Rev. 0)



Consumers
Power
Company

AUL T REPORT

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT

CONTINUATION SHEET

AUDIT NO. MSA-83-39 PAGE 5 OF 5

VI. PROGRAM EVALUATION OF EFFECTIVENESS (continued)

present and revised procedure administrative requirements. The responsible supervision of the personnel involved in these activities should assure continued adherence to procedure requirements by periodic assessment of personnel performance.

Please note that although these conditions exist, there is no evidence at this time that installed plant hardware has been compromised.

VII. CLOSING ITEMS

All responses and correspondence related to this audit shall be forwarded to R C Sember, Branch Head, Audit Branch, who will be responsible for the review and verification of the corrective action.

Written responses are to be received no later than the dates noted on the individual AFRs and URIs.

VII. ATTACHMENTS

Audit Finding Reports MSA-83-39-01F to MSA-83-39-14F
Unresolved Items MSA-83-39-01U to MSA-83-39-05U
Audit Plan (File 18.4 Only)
Audit Checklists (File 18.4 Only)
Audit Notification Letter



Consumers Power Company

Soils

AUDIT FINDING REPORT

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT

AREA: QA

DISCP: F

TREND: R-5

PRIORITY: 3

S/U: XXXOR

"AS IS" CONDITION VERSUS "AS REQUIRED"/"AS NEEDED" CONDITION WITH REFERENCES:

A. MPQAD Procedure M-4, Rev 4, 8/29/83, states in part:

(Para. 2.0 note) that QARs generated prior to 8/29/83 shall be completed in accordance with MPQAD Procedure M-4, Rev 3, Para 5.1 which states QAR originator "shall log each QAR issued in QAR Log, Att. B."

Contrary to the above, in the Soils area, QARs issued prior to 8/29/83 are not being recorded for status on the QAR Log form. The form being used did not reflect all required information from Att. "B" form, and as an example did not reflect the correct status of QAR F-363. The QAR is recorded as open but is actually closed.

B. MPQAD Procedure M-4, Rev 4, 8/29/83, Para B 11, Att. 7.2 requires QAR reviewer to complete blocks 11 & 12 on QAR Form indicating potential reportability and date reported to the MPQAD Manager.

(continued)

AFR SER NO:

MSA-83-39-01F

PROJ/DEPT AUDITED: MPQAD -

Soils/BOP/HVAC

DATE OF ISSUANCE:

1/10/84

FILE NUMBER:

16.0

ACTION ITEM NO:

S04264

DISTRIBUTION:

SBaranow	JARutgers
JABauer	RCSember
AEBice	DATaggart
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JEBrunner	JLWood
RBCameron	ALAB-2
JWCook	DHorn
RJErhardt	RACarvel
GFEwert	
WJFriedrich	
HPLeonard	
BWMarguglio/DJones	
JKMeisenheimer	
JAMooney	
DHQuamme	

RECOMMENDED CORRECTIVE ACTION:

- A. (1) Record all QAR Log entries on proper log form
- (2) Review status of all QARs indicated as open in the Log and provide additional information for log entries as necessary to indicate closed QARs.
- (3) Instruct personnel in requirements for maintenance of QAR Log.

(continued)

CORRECTIVE ACTION COMMITMENT: Response due by 1/31/84.

DATE OF C/A COMPLETION:

DATE OF C/A EFFECTIVENESS:

ORG. RESP FOR C/A:

MPQAD - Soils

PERSON MAKING C/A COMMITMENT:

D Horn

METHOD OF VERIFICATION:

IS AF REPORTABLE PER 50.55(e):

YES NO

IF "YES", DATE OF REPORT TO NRC:

N/A

IF "YES", TIME OF REPORT TO NRC:

N/A

IF "YES", NAME OF NRC OFFICIAL TO WHOM REPORTED:

IF "YES", WHO MADE REPORT:

N/A

N/A

AFR ORIGINATOR'S SIGNATURE/DATE:

R A Carvel

1/10/84

AFR SIGNATURE/DATE:

Walter C. Helzlsouer 1/10/84

C/A VERIFICATION SIGNATURE:

VERIFICATION DATE:



AUDIT FINDING REPORT

IS CONDITION VERSUS "AS REQUIRED" CONDITION WITH REFERENCES (CONTINUED):

B. Continued

Contrary to the above, in the Soils area, two QARs (S-00033, 10/3/83 and S-00058, 11/7/83) did not exhibit entries in blocks 11 and 12.

COMMENDED CORRECTIVE ACTION: (continued)

- B. (1) Review all QARs issued by Remedial Soils Group since 8/29/83 for completion of blocks 11 & 12. As an example, in the Soils area, two QARs (S-00033, 10/3/83 and S-00058, 11/7/83) did not exhibit entries in blocks 11 and 12.
- (2) Evaluate each deficient QAR, including S-00033 and S-00058 for reportability.
- (3) Revise affected QARs as necessary.



Consumers
Power
Company

Soils

AREA: QC

AUDIT FINDING REPORT

DISCP: F

TREND: R-5

PRIORITY: 3

S/U:

MIDLAND PROJECT
QUALITY ASSURANCE

DEPARTMENT
XXXOR

"AS IS" CONDITION VERSUS "AS REQUIRED"/"AS SEEDED" CONDITION WITH REFERENCES:
MPQAD Procedure F-2M, Rev 6, Att. A, Para 7.5.2.1 entitled "NCR Voiding Instructions" states that when voiding an NCR, "the NCR originator shall indicate concurrence with the decision to void the NCR by signing in the Disposition Block."

Contrary to the above:

- A. Voided BOP NCR Number A-00019 has not been signed in block #35 by the originator.
- B. NCR S-00579, Soils, written on 11/15/83 and voided on 11/23/83 was not signed in block #35 by the originator.

AFR SER NO:
MSA-83-39-02F

PROJ/DEPT AUDITED: MPQAD -
Soils/BOP/HVAC

DATE OF ISSUANCE:
1/10/84

FILE NUMBER:
16.0

ACTION ITEM NO:
S04265

DISTRIBUTION:

SBaranow	JARutgers
JABauer	RCSember
AEBice	DATaggart
WRBird/JPKnight	RAWells
JEBrunner	JLWood
RBCameron	ALAB-2
JWCook	DHorn
RJErhardt	RACarvel
GFEwert	WGratza
WJFriedrich	
HPLeonard	
BWMarguglio/DJones	
JKMeisenheimer	
JAMooney	
DHQuamme	

RECOMMENDED CORRECTIVE ACTION:

- A. (1) Have originator sign and date block #35 of BOP NCR A-00019.
- (2) Revise and reissue BOP NCR A-00019.
- (3) Review existing voided NCRs for Att. 7.5 requirements and make corrections as required (BOP-HPerrine)

(continued)

CORRECTIVE ACTION COMMITMENT: Response due by 1/31/84.

DATE OF C/A COMPLETION:

DATE OF C/A EFFECTIVENESS:

ORG. RESP FOR C/A:

MPQAD - Soils
MPQAD - BOP

PERSON MAKING C/A COMMITMENT:

D Horn
H Perrine

METHOD OF VERIFICATION:

IS AF REPORTABLE PER 50.55(e):

YES NO

IF "YES", DATE OF REPORT TO NRC:

N/A

IF "YES", TIME OF REPORT TO NRC:

N/A

IF "YES", NAME OF NRC OFFICIAL TO WHOM REPORTED:

N/A

IF "YES", WHO MADE REPORT:

N/A

AFR ORIGINATOR'S SIGNATURE/DATE:

R A Carvel 1/10/84
R A Carvel/W Gratza

ATL SIGNATURE/DATE:

Walter C. Holz 1/10/84

C/A VERIFICATION SIGNATURE:

VERIFICATION DATE:



AUDIT FINDING REPORT

CONTINUATION SHEET

MSA-83-39-02F

"AS IS CONDITION VERSUS "AS REQUIRED" CONDITION WITH REFERENCES (CONTINUED):

RECOMMENDED CORRECTIVE ACTION (CONTINUED):

- B. (1) Have originator sign and date block #35 of Soils NCR S-00579.
(2) Revise and reissue Soils NCR S-00579.
(3) Review existing voided NCRs for Att. 7.5 requirement and make corrections as required. (Soils - DHorn)
(4) Retrain Soils and BOP personnel responsible for originating and reviewing NCRs in the procedural requirements for voiding NCRs.

CORRECTIVE ACTION (CONTINUED):



Consumers Power Company

Soils

AUDIT FINDING REPORT

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT
XXXOR

AREA: QA

DISCP: F

TREND: R-5

PRIORITY: 3

S/U:

XXXOR

"AS IS" CONDITION VERSUS "AS REQUIRED"/"AS NEEDED" CONDITION WITH REFERENCES:

MPQAD Procedure F-2M, Rev 6, effective 8/29/83, Control of Nonconforming Items, Para 2.0, Note, states that existing CP Co NCRs as of 8/29/83 shall be closed using MPQAD Procedure F-2M, Rev 5.

MPQAD Procedure F-2M, Rev 5, Para 5.6, states that "the Group Supervisor, Administration, shall be responsible for maintaining a file copy of each NCR..."

Contrary to the above, while reviewing three open CP Co NCRs, it was noted that a copy of NCR #M01-9-3-051 was not present in DCC. This NCR was signed out by an inspector on 11/3/83 and neither it nor a copy was on file in DCC from that time until 12/15/83 when the audit was performed.

AFR SER NO:

MSA-83-39-03F

PROJ/DEPT AUDITED: MPQAD
Soils/BOP/HVAC

DATE OF ISSUANCE:
1/10/84

FILE NUMBER:
16.0

ACTION ITEM NO:
S04266

DISTRIBUTION:

SBaranow	JARutgers
JABauer	RCSember
AEBice	DA Taggart
WRBird/JPKnight	RAWells
JEBrunner	JLWood
RBCameron	ALAB-2
JWCook	DHorn
RJErhardt	RACarvel
GFEwert	
WJFriedrich	
HPLeonard	
BWMarguglio/DJones	
JKMeisenheimer	
JAMooney	
DHQuamme	

RECOMMENDED CORRECTIVE ACTION:

- (1) Review Soils DCC NCR files to verify that a copy of each open NCR is present.
- (2) Recall all original copies of dispositioned NCRs checked out of the files and obtain copies for the file.
- (3) Reinstruct Soils DCC personnel on the requirement for maintaining copies of open NCRs in the DCC files.

CORRECTIVE ACTION COMMITMENT: Response due by 1/31/84.

DATE OF C/A COMPLETION:

DATE OF C/A EFFECTIVENESS:

ORG. RESP FOR C/A:

MPQAD - Soils

PERSON MAKING C/A COMMITMENT:

D Horn

METHOD OF VERIFICATION:

IS AF REPORTABLE PER 50.55(e):

YES NO

IF "YES", DATE OF REPORT TO NRC:

N/A

IF "YES", TIME OF REPORT TO NRC:

N/A

IF "YES", NAME OF NRC OFFICIAL TO WHOM REPORTED:

N/A

IF "YES", WHO MADE REPORT:

N/A

AFR ORIGINATOR'S SIGNATURE/DATE:

R A Carvel

1/10/84

AFR SIGNATURE/DATE:

Walter A. Hejzlik

1/10/84

C/A VERIFICATION SIGNATURE:

VERIFICATION DATE:



Consumers
Power
Company
AREA: Soils
QC

AUDIT FINDING REPORT

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT
XXXOR

DISCP: F TREND: R-5 PRIORITY: 2 S/U:

"AS IS" CONDITION VERSUS "AS REQUIRED"/"AS NEEDED" CONDITION WITH REFERENCES:

MPQAD Procedure F-2M, Rev 6, 8/29/83, Control of Nonconforming Items, Para 5.1.2.b states in part the "MPQAD originator shall apply Hold Tags" to the nonconforming items.

Para. 5.2.3 states in part:

"The PFQCE shall ensure the conditionally released item is "identified"."

Para. 5.2.4 states in part:

"The PFQCE shall ensure, when work authorized by the conditional release is completed and just prior to closing the conditional release that the Hold Tags are removed."

Contrary to the above:

- A. Hold tags were not in place on nonconforming items in locations recorded on two NCRs issued for Soils-related work. They are as follows: (continued)

AFR SER NO: MSA-83-39-04F	
PROJ/DEPT AUDITED: MPQAD Soils/BOP/HVAC	
DATE OF ISSUANCE: 1/10/84	
FILE NUMBER: 16.0	
ACTION ITEM NO: S04267	
DISTRIBUTION:	
SBaranow	JARutgers
JABauer	RCSember
AEBice	PATaggart
WRBird/JPKnight	RAWells
JEBrunner	JLWood
RBCameron	ALAB-2
JWCook	MDewitt
RJErhardt	HPerrine
GFEwert	RACarvel
WJFriedrich	WGratza
HPLeonard	
BWMarguglio/DJones	
JKMeisenheimer	
JAMooney	
DHQuamme	

RECOMMENDED CORRECTIVE ACTION:

- Soils - (1) Verify that Hold Tags are in place for all open NCRs.
(2) Replace missing tags including those for NCRs S-005500 and FSO-417.
(3) Institute a system to periodically verify, by sampling or other means, that Hold Tags are present for open NCRs. (MDewitt)

(continued)

CORRECTIVE ACTION COMMITMENT: Response due by 1/31/84.

DATE OF C/A COMPLETION:
DATE OF C/A EFFECTIVENESS:

ORG. RESP FOR C/A:
Soils
MPQAD - BOP

PERSON MAKING C/A COMMITMENT:
M Dewitt
H Perrine

METHOD OF VERIFICATION:

IS AF REPORTABLE PER 50.55(e): YES NO

IF "YES", DATE OF REPORT TO NRC:

N/A

IF "YES", TIME OF REPORT TO NRC:
N/A

IF "YES", NAME OF NRC OFFICIAL TO WHOM REPORTED:

IF "YES", WHO MADE REPORT:
N/A

N/A

AFR ORIGINATOR'S SIGNATURE/DATE:
R A Carvel/W Gratza
Walter A. Helzlsouer 1/10/84

ATL SIGNATURE/DATE:

Walter A. Helzlsouer 1/10/84

C/A VERIFICATION SIGNATURE:

VERIFICATION DATE:



AUDIT FINDING REPORT

CONTINUATION SHEET MSA-83-39-04F

"AS IS CONDITION VERSUS "AS REQUIRED" CONDITION WITH REFERENCES (CONTINUED):

1. Boils Area - NCR #FSO-417 - No Hold Tag present on or near dewatering well #502 as stated.
2. NCR # S-00500 - No Hold Tag present in feed water isolation valve pit #1 and conditional release No. S-00500-01 were not attached to equipment (hydraulic rams) in the same location.

B. BOP Area

1. NCR A-00108, Rev 0 - No Hold Tag located on or near nonconforming "bolt".

RECOMMENDED CORRECTIVE ACTION (CONTINUED):

- BOP - (1) Apply Hold Tags to nonconforming "bolt" as identified by NCR-00108.
(2) Initiate a system for verifying Hold Tags are present for open NCRs. (HPerrine)

CORRECTIVE ACTION (CONTINUED):



Consumers
Power
Company

AUC T FINDING REPOF

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT
PGMOO

AREA: HVAC DISCP: M TREND: N-5 PRIORITY: 3 S/U: PGMOO

"AS IS" CONDITION VERSUS "AS REQUIRED"/"AS NEEDED" CONDITION WITH REFERENCES:

Zack Procedure MB-FP-8, Att. 2, Page 3, Para VI.A.3 states:

"The appropriate block of Column #8 is marked in the DR Log."

and Para VI.A.6 states:

"The NCR number is entered in column #9 of the DR Log, if blank #12 of the DR was marked "reject"."

Contrary to the above, the unsatisfactory half of column #8 of the log was checked and a totally unassociated NCR (#A1749) was entered in column #9 while block #12 of DR #106 was marked "accept".

AFR SER NO:

MSA-83-39-05F

PROJ/DEPT AUDITED: MPQAD

Soils/BOP/HVAC

DATE OF ISSUANCE:

1/10/84

FILE NUMBER:

16.0

ACTION ITEM NO:

S04268

DISTRIBUTION:

SBaranow	JARutgers
JABauer	RCSemer
AEBice	DATaggart
WRBird/JPKnight	RAWells
JEBrunner	JLWood
RBCameron	ALAB-2
JWCook	JLWood
RJErhardt	RBCameron
GFEwert	
WJFriedrich	
HPLeonard	
BWMarguglio/DJones	
JKMeisenheimer	
JAMooney	
DHQuamme	

RECOMMENDED CORRECTIVE ACTION:

1. Clerk corrected log entry (line out, initial, date) in view of auditor.
2. Review remainder of DR Log for comparable deficiencies.

CORRECTIVE ACTION COMMITMENT: Response due by 1/31/84.

DATE OF C/A COMPLETION:

DATE OF C/A EFFECTIVENESS:

ORG. RESP FOR C/A:

MPQAD-HVAC

PERSON MAKING C/A COMMITMENT:

JLWood

METHOD OF VERIFICATION:

IS AF REPORTABLE PER 50.55(e):

YES NO

IF "YES", DATE OF REPORT TO NRC:

N/A

IF "YES", TIME OF REPORT TO NRC:

N/A

IF "YES", NAME OF NRC OFFICIAL TO WHOM REPORTED:

IF "YES", WHO MADE REPORT:

N/A

N/A

AFR ORIGINATOR'S SIGNATURE/DATE:

R B Cameron *RBCameron 1/10/84*

ATL SIGNATURE/DATE:

Walter C. Holz 1/10/84

C/A VERIFICATION SIGNATURE:

VERIFICATION DATE:



Consumers
Power
Company M
AREA: BOP-QC

AUDIT FINDING REPORT

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT

DISC: M TREND: I-5 PRIORITY: 2

S/U: PGM00

"AS IS" CONDITION VERSUS "AS REQUIRED"/"AS NEEDED" CONDITION WITH REFERENCES:

MPQAD Procedure F-2M, Rev 6, G-3.2, Rev 8, Attachment 7.8, Para 7.8.1(c) states:

"Changed NCRs shall be reviewed, initialled and dated by the NCR reviewer and all disposition concurring individuals."

Contrary to this requirement, revisions were made to NCRs A0018 and A0015 without being initialled and dated by all disposition concurring individuals.

AFR SER NO:

MSA-83-39-06F

PROJ/DEPT AUDITED: MPQAD
Soils/BOP/HVAC

DATE OF ISSUANCE:
1/10/84

FILE NUMBER:
16.0

ACTION ITEM NO:
S04269

DISTRIBUTION:

SBaranow	JARutgers
JABauer	RCSember
AEBice	DATaggart
WRBird/JPKnight	RAWells
JEBrunner	JLWood
RBCameron	ALAB-2
JWCook	HPerrine
RJErhardt	GVWenninger
GFEwert	
WJFriedrich	
HPLeonard	
BWMarguglio/DJones	
JKMeisenheimer	
JAMooney	
DHQuamme	

RECOMMENDED CORRECTIVE ACTION:

- Revisions to subject NCRs shall be reviewed by appropriate individuals for concurrence. These individuals shall initial and date referenced revisions. "Late Entry" shall be noted adjacent to all late entries.
- Instruct cognizant individuals in procedural requirements.

CORRECTIVE ACTION COMMITMENT: Response due by 1/31/84.

DATE OF C/A COMPLETION:

DATE OF C/A EFFECTIVENESS:

ORG. RESP FOR C/A:

MPQAD - BOP

PERSON MAKING C/A COMMITMENT:

H Perrine

METHOD OF VERIFICATION:

IS AF REPORTABLE PER 50.55(e):

YES NO

IF "YES", DATE OF REPORT TO NRC:

N/A

IF "YES", TIME OF REPORT TO NRC:

N/A

IF "YES", NAME OF NRC OFFICIAL TO WHOM REPORTED:

N/A

IF "YES", WHO MADE REPORT:

N/A

AFR ORIGINATOR'S SIGNATURE/DATE:

G V Wenninger

G.V. Wenninger 1/10/84

ATL SIGNATURE/DATE:

Walter A. Heizer

1/10/84

C/A VERIFICATION SIGNATURE:

VERIFICATION DATE:



Consumers
Power
Company

AUDIT FINDING REPORT

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT
PGMOO

AREA: BOP-QC DISCP: M TREND: I-5 PRIORITY: 2 S/U

"AS IS" CONDITION VERSUS "AS REQUIRED"/"AS NEEDED" CONDITION WITH REFERENCES:

MPQAD Procedure F-2M, Rev 6, G-3.2, Rev 8, Para 4.5.4 "Note" states in part:

"For "use as is" and "repair" dispositions the NCR reviewer shall ensure that the lead design organization identifies on the NCR the specific design calculations including revisions..."

Contrary to the above, the "use as is" disposition on NCRs A0015 and A0018 does not reference the specific design calculations used as a basis for the disposition.

AFR SER NO:
MSA-83-39-07F

PROJ/DEPT AUDITED: MPQAD
Soils/BOP/HVAC

DATE OF ISSUANCE:
1/10/84

FILE NUMBER:
16.0

ACTION ITEM NO:
S04270

DISTRIBUTION:

SBaranow	JARutgers
JABauer	RCSember
AEBice	DATaggart
WRBird/JPKnight	RAWells
JEBrunner	JLWood
RBCameron	ALAB-2
JWCook	HPerrine
RJErhardt	GVWenninger
GFEwert	
WJFriedrich	
HPLeonard	
BWMarguglio/DJones	
JKMeisenheimer	
JAMooney	
DHQuamme	

RECOMMENDED CORRECTIVE ACTION:

1. Project Engineering shall revise NCR disposition to include reference to specific design calculation in addition to the applicable revision.
2. Cognizant engineering personnel shall be retrained in procedural requirements.

CORRECTIVE ACTION COMMITMENT: Response due by 1/31/84.

DATE OF C/A COMPLETION:

DATE OF C/A EFFECTIVENESS:

ORG. RESP FOR C/A:

PERSON MAKING C/A COMMITMENT:

MPQAD - BOP

H Perrine

METHOD OF VERIFICATION:

IS AF REPORTABLE PER 50.55(e):

YES NO

IF "YES", DATE OF REPORT TO NRC:

N/A

IF "YES", TIME OF REPORT TO NRC:

N/A

IF "YES", NAME OF NRC OFFICIAL TO WHOM REPORTED:

N/A

IF "YES" WHO MADE REPORT:

N/A

AFR ORIGINATOR'S SIGNATURE/DATE:

G V Wenninger *G V Wenninger* 1/10/84

AFR SIGNATURE/DATE:

Walter A. Hedzich 1/10/84

C/A VERIFICATION SIGNATURE:

VERIFICATION DATE:



Consumers
Power
Company

AUDIT FINDING REPORT

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT
PGMOO

AREA: BOP-QC DISCP: M TREND: I-5 PRIORITY: 3 S/U: PGMOO

"AS IS" CONDITION VERSUS "AS REQUIRED"/"AS NEEDED" CONDITION WITH REFERENCES:

MPQAD Procedure F-2M, Rev 6, Att 7.2, Sect 22 states:

"The person responsible for review of the NCR shall evaluate the nonconformance for potential 50.55(e) reportability and indicate whether or not the nonconformance potentially must be reported to the NRC."

Sect. 29 states:

"indicate the cause of the nonconformance."

Block 22 information of NCR A00108 has also been omitted and block 29 on BOP NCR A-00015 has not been completed as required.

AFR SER NO:

MSA-83-39-08F

PROJ/DEPT AUDITED: MPQAD

Soils/BOP/HVAC

DATE OF ISSUANCE:

1/10/84

FILE NUMBER:

16.0

ACTION ITEM NO:

S04271

DISTRIBUTION:

SBaranow	JARutgers
JABauer	RCSember
AEBice	DATaggart
WRBird/JPKnight	RAWells
JEBrunner	JLWoos
RBCameron	ALAB-2
JWCook	HPerrine
RJErhardt	GVWenninger
GFEwert	
WJFriedrich	
HPLeonard	
BWMarguglio/DJones	
JKMeisenheimer	
JAMooney	
DHQuamme	

RECOMMENDED CORRECTIVE ACTION:

- A. (1) Review all BOP NCRs for proper entries in block 22 and make corrections as necessary. Change procedure to clarify the requirements for entries made in block 22.
 - (2) Instruct BOP personnel in the requirements for completing and reviewing NCRs.
 - B. (1) Determine the cause for the nonconforming condition cited in NCR A-00015.
 - (2) Revise NCR A-00015 to include the cause of the nonconformance in block 29 and reissue the NCR.
- (continued)

CORRECTIVE ACTION COMMITMENT: Response due by 1/31/84.

DATE OF C/A COMPLETION:

DATE OF C/A EFFECTIVENESS:

ORG. RESP FOR C/A:
MPQAD-BOP

PERSON MAKING C/A COMMITMENT:
HPerrine

METHOD OF VERIFICATION:

IS AF REPORTABLE PER 50.55(e):

YES NO

IF "YES", DATE OF REPORT TO NRC:

N/A

IF "YES", TIME OF REPORT TO NRC:

N/A

IF "YES", NAME OF NRC OFFICIAL TO WHOM REPORTED:

IF "YES", WHO MADE REPORT:

N/A

N/A

AFR ORIGINATOR'S SIGNATURE/DATE:

G V Wenninger *G. V. Wenninger* 1/10/84

ATL SIGNATURE/DATE:

Walter A. Hedger 1/10/84

C/A VERIFICATION SIGNATURE:

VERIFICATION DATE:



Consumers
Power
Company

AUDIT FINDING REPORT

CONTINUATION SHEET

MSA-83-39-08F

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT
Page 2 of 2

"AS IS CONDITION VERSUS "AS REQUIRED" CONDITION WITH REFERENCES (CONTINUED):

RECOMMENDED CORRECTIVE ACTION (CONTINUED):

- B. (continued)
- (3) Retrain the cognizant individual in procedural requirements for completing block 29.

CORRECTIVE ACTION (CONTINUED):



Consumers
Power
Company

AUDIT FINDING REPORT

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT

AREA: HVAC DISCP: M TREND: I-5 PRIORITY: 3

S/U: PGM00

"AS IS" CONDITION VERSUS "AS REQUIRED"/"AS NEEDED" CONDITION WITH REFERENCES:

AFR SER NO:
MSA-83-39-09F

MPQAD Procedure F-2M, Rev 8, Para 5.1.7a states in part:

PROJ/DEPT AUDITED: MPQAD
Soils/BOP/HVAC

"Propose or obtain a disposition for the NCR...."

DATE OF ISSUANCE:
1/10/84

Contrary to the above, it was observed that on NCR H-00023-ZZ the action organization dispositioned the NCR as both rework and scrap/reject.

FILE NUMBER:
16.0

ACTION ITEM NO:
S04272

DISTRIBUTION:

SBaranow	JARutgers
JABauer	RCSember
AEBice	DATaggart
WRBird/JPKnight	RAWells
JEBrunner	JLWood
RBCameron	ALAB-2
JWCook	JLWood
MADietrich	JNicholas
RJErhardt	
GFEwert	
WJFriedrich	
HPLeonard	
BWMarguglio/DJones	
JKMeisenheimer	
JAMooney	

RECOMMENDED CORRECTIVE ACTION:

- (1) Initiate a review of all F-2M, Rev 8 NCRs and verify that each nonconformance has only one disposition.
- (2) Document and report results of review to MPQAD Audit Branch.
- (3) H-00023-ZZ and any other NCR with more than one disposition should be evaluated and properly dispositioned.

CORRECTIVE ACTION COMMENT: Response due by 1/31/84.

DATE OF C/A COMPLETION:

ORG. RESP FOR C/A:

PERSON MAKING C/A COMMITMENT:

DATE OF C/A EFFECTIVENESS:

MPQAD-HVAC

JLWood

METHOD OF VERIFICATION:

IS AF REPORTABLE PER 50.55(e):

YES NO

IF "YES", DATE OF REPORT TO NRC:

N/A

IF "YES", TIME OF REPORT TO NRC:

N/A

IF "YES", NAME OF NRC OFFICIAL TO WHOM REPORTED:

N/A

IF "YES", WHO MADE REPORT:

N/A

AFR ORIGINATOR'S SIGNATURE/DATE:

J Nicholas *J. Nicholas* 1/10/84 ^{was} _{1/10/84}

ACL SIGNATURE/DATE:

Walter A. Helzer 1/10/84

C/A VERIFICATION SIGNATURE:

VERIFICATION DATE:



Consumers
Power
Company

AUDIT FINDING REPORT

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT

AREA: HVAC DISCP: M TREND: I-5 PRIORITY: 3 S/U: PG400

"AS IS" CONDITION VERSUS "AS REQUIRED"/"AS NEEDED" CONDITION WITH REFERENCES:
MPQAD Procedure F-2M, Att. 7.7, Para 5.2.3 states in part:

"The PAE Supervisor/PFQCE shall complete the form in accordance with the completion instructions, ensure the conditionally released item is identified and distribute copies of the approved CR...."

Contrary to the above, on NCR #H00023-ZZ and CR #H-00023-ZZ-01,

1. NCR block 32 was marked that there was no CR issued,
2. CR block 13 (distribution) was not completed,
3. CR Log did not show that the CR was closed out.

This is the only conditional release issued under Procedure F-2M.

AFR SER NO: MSA-83-39-10F	
PRGJ/DEPT AUDITED: MPQAD Soils/BOP/HVAC	
DATE OF ISSUANCE: 1/10/84	
FILE NUMBER: 16.0	
ACTION ITEM NO: S04273	
DISTRIBUTION:	
SBaranow	JARutgers
JABauer	RCSember
AEBice	DATaggart
WRBird/JPKnight	RAWells
JEBrunner	JLWood
RBCameron	ALAB-2
JWCook	JLWood
RJErhardt	HPerrine
GFEwert	JNicholas
WJFriedrich	
HPLeonard	
BWMarguglio/DJoner	
JKMeisenheimer	
JAMooney	
DHQuamme	

RECOMMENDED CORRECTIVE ACTION:

1. Where this is an isolated case, correct the recorded errors,
2. Have the responsible personnel attend training to improve their knowledge of this area.

CORRECTIVE ACTION COMMITMENT: Response due by 1/31/84.

DATE OF C/A COMPLETION:
DATE OF C/A EFFECTIVENESS:

ORG. RESP FOR C/A:
MPQAD - HVAC

PERSON MAKING C/A COMMITMENT:
J L Wood

METHOD OF VERIFICATION:

IS AF REPORTABLE PER 50.55(e): YES NO

IF "YES", DATE OF REPORT TO NRC:
N/A

IF "YES", TIME OF REPORT TO NRC:
N/A

IF "YES", NAME OF NRC OFFICIAL TO WHOM REPORTED:

IF "YES", WHO MADE REPORT:
N/A

N/A

AFR ORIGINATOR'S SIGNATURE/DATE:
J Nicholas *J Nicholas* 1/10/84

ATL SIGNATURE/DATE:
Walter A. Helzlsouer 1/10/84

C/A VERIFICATION SIGNATURE:

VERIFICATION DATE:



Consumers
Power
Company

AUDIT FINDING REPORT

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT

AREA: BOP-QC-E DISCP: E TREND: I-5 PRIORITY: 2 S/U PGM00

"AS IS" CONDITION VERSUS "AS REQUIRED"/"AS NEEDED" CONDITION WITH REFERENCES:
QAPP Vol II, Procedure No. 14-1, Page 5, Para 4.3.1 requires that the NCR be tracked from the time of its identification through its closure. NCRs, per F-12M, App A are a permanent QA Record which are required to be controlled, completed and the originals or legible copies turned over to DCC.

Contrary to the above, the F-2M, Rev 6 requirements for handling the original NCR are inadequate. The procedure does not state how the NCR original is to be handled between Paras 5.1.6e and 5.1.10e and between Paras 5.1.10e and 5.1.13,c,4. (i.e. Para 5.1.2d = NCR to NCR reviewer, Para 5.1.6e = from NCR reviewer to action organization, Para 5.1.10c = from NCR reviewer to action organization, Para 5.1.13,c,4 = from assigned Inspector to DCC.)

Furthermore, Para 6.0 appears to conflict with the requirements of Para 5.1.3.c.4. In 6.0, either the NCR reviewer or the PAE Supervisor or the PFQCE shall submit the NCR to DCC. 5.1.3.c.4 requires the assigned Inspector to submit it to DCC.

AFR SER NO: MSA-83-39-11F
PROJ/DEPT AUDITED: MPQAD Soils/BOP/HVAC
DATE OF ISSUANCE: 1/10/84
FILE NUMBER: 16.0
ACTION ITEM NO: S04274
DISTRIBUTION: SBaranow JABauer AEBice WRBird/JPKnight JEBrunner RBCameron JWCook RJEhardt GFEwert WJFriedrich HPLeonard BWMarguglio/DJones JKMeisenheimer JAMooney DHQuamme
JARutgers RCSember DATaggart RAWells JLWood ALAB-2 HPerrine WGratza

RECOMMENDED CORRECTIVE ACTION:

- (1) It is recommended that the procedure be revised to better define the handling of the original NCR and that the conflicts identified be resolved. One method of accomplishing improved and clearer control of the original NCR would be to have the DCC maintain control of the original NCR at all times and obtain necessary information, signature, etc. under the control of a DCC messenger. (Hand carry NCR to signees.)

CORRECTIVE ACTION COMMITMENT: Response due by 1/31/84.

DATE OF C/A COMPLETION:	ORG. RESP FOR C/A:	PERSON MAKING C/A COMMITMENT:
DATE OF C/A EFFECTIVENESS:	MPQAD - BOP	H Perrine

METHOD OF VERIFICATION:

IS AF REPORTABLE PER 50.55(e): YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	IF "YES", DATE OF REPORT TO NRC: N/A
IF "YES", TIME OF REPORT TO NRC: N/A	IF "YES", NAME OF NRC OFFICIAL TO WHOM REPORTED:
IF "YES", WHO MADE REPORT: N/A	N/A
AFR ORIGINATOR'S SIGNATURE/DATE: W Gratza W Gratza 1/10/84 wa* 1/10/84	AFR SIGNATURE/DATE: Walter C. Hedger 1/10/84
C/A VERIFICATION SIGNATURE:	VERIFICATION DATE:



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AUDIT FINDING REPORT

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT
S/U: PGM00

AREA: BOP QC E DISCP: E TREND: I-5 PRIORITY: 2

"AS IS" CONDITION VERSUS "AS REQUIRED"/"AS NEEDED" CONDITION WITH REFERENCES:

Procedure F-2M, Rev 6 (NCR) and Procedure M-4, Rev 4 (QAR) both reference procedure "M-2, Trend Analysis" which requires in part "that MPQAD personnel who initiate a trended document shall annotate the document with a trend code within 4 hours of the time the document was originated." (Para. 5.1. Also, when hardware is involved, a number (Para. 5.4.4) shall be included. Para. 5.4.4 and Para. 3.1 (per DR #168) require when hardware is involved, that the number of nonconforming conditions applicable to the nonconforming category be added in parenthesis next to the trend code.

Contrary to the above, NCRs reviewed during the audit generally lacked the additional entry of the number of nonconforming conditions applicable to the NCR. Also, it was noted that there were long time delays between the date of NCR initiation and trend code placement on the NCR by the reviewer. In one case, the delay was 4 days.

(continued)

AFR SER NO: MSA-83-39-12F	
PROJ/DEPT AUDITED: MPQAD Soils/BOP/HVAC	
DATE OF ISSUANCE: 1/10/84	
FILE NUMBER: 16.0	
ACTION ITEM NO: S04275	
DISTRIBUTION:	
SBaranow	JARutgers
JABauer	RCSmber
AEBice	DATaggart
WRBird/JPKnight	RAWells
JEBrunner	JLWood
RBCameron	ALAB-2
JWcook	HPerrine
RJErhardt	WGratza
GFEwert	
WJFriedrich	
HPLeonard	
BWMarguglio/DJones	
JKMeisenheimer	
JAMooney	
DHQuamme	

RECOMMENDED CORRECTIVE ACTION:

- (1) It is recommended that the key elements of M-2 be included in F-2M and M-4 and conflicts between the procedures be resolved. This includes the M-2 requirement of the 4 hour time limit.
- (2) NCRs written under F-2M, Rev 6 be reviewed for the incorporation and/or condition of M-2, Para 5.4.4 requirements.

CORRECTIVE ACTION COMMITMENT: Response due by 1/31/84.

DATE OF C/A COMPLETION:	ORG. RESP FOR C/A: MPQAD - BOP	PERSON MAKING C/A COMMITMENT: H Perrine
DATE OF C/A EFFECTIVENESS:		
METHOD OF VERIFICATION:		
IS AF REPORTABLE PER 50.55(●): YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	IF "YES", DATE OF REPORT TO NRC: N/A	
IF "YES", TIME OF REPORT TO NRC: N/A	IF "YES", NAME OF NRC OFFICIAL TO WHOM REPORTED: N/A	
IF "YES", WHO MADE REPORT: N/A		
AFR ORIGINATOR'S SIGNATURE/DATE: W Gratza <i>W Gratza 1/10/84</i>	ATL SIGNATURE/DATE: <i>Walter C. Helzlsouer 1/10/84</i>	
C/A VERIFICATION SIGNATURE:	VERIFICATION DATE:	



AUDIT FINDING REPORT

CONTINUATION SHEET

MSA-83-39-12F

"AS IS" CONDITION VERSUS "AS REQUIRED" CONDITION WITH REFERENCES (CONTINUED):

QAR #RA-00022 had a 15 day time delay from date of initiation to placement of the trend code by the reviewer.

There also appears to be a lack of clarity in the two procedures (F-2M & M-4) and M-2 concerning who is responsible for fulfilling the initiation requirement.

Who is responsible for fulfilling the initiation requirement? Procedure M-2 refers to "Personnel who initiate" the trended document; M-4 requires the QAR reviewer and F-2M requires the NCR reviewer.

RECOMMENDED CORRECTIVE ACTION (CONTINUED):

CORRECTIVE ACTION (CONTINUED):



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AUDIT FINDING REPORT

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT

AREA: BOP OC E DISCP: E TREND: I-5 PRIORITY: 3

S/L: P.MOO

"AS IS" CONDITION VERSUS "AS REQUIRED"/"AS NEEDED" CONDITION WITH REFERENCES:
MPQAD Procedure F-2M, Para 5.1.8,b requires that the concurrence of the Field Engineering be obtained for all NCRs dispositioned as rework or scrape/replace for Bechtel items.

Contrary to the above requirement, NCR #A-50004 is missing the Field Engineering concurrence.

AFR SER NO:
MSA-83-39-1JF

PROJ/DEPT AUDITED: MPQAD
Soils/EOP/HVAC

DATE OF ISSUANCE:
1/10/84

FILE NUMBER:
16.0

ACTION ITEM NO:
S04276

DISTRIBUTION:

SBaranow	JARutgers
JABauer	RCSember
AEBice	DATaggart
WRBird/JPKnight	RAWells
JEBrunner	JLWood
RBCameron	ALAB-2
JWCook	HPerrine
RJErhardt	WGratza
GFEwert	
WJFriedrich	
HPLeonard	
BWMarguglio/DJones	
JKMeisenheimer	
JAMooney	
DHQuamme	

RECOMMENDED CORRECTIVE ACTION:

Recommend correcting the case discovered and reviewing all NCRs under F-2M, Rev 6 for similar concurrence and correcting as required.

CORRECTIVE ACTION COMMITMENT: Response due by 1/31/84.

DATE OF C/A COMPLETION:

DATE OF C/A EFFECTIVENESS:

ORG. RESP FOR C/A:

MPQAD-BOP

PERSON MAKING C/A COMMITMENT:

H Perrine

METHOD OF VERIFICATION:

IS AF REPORTABLE PER 50.55(e):

YES NO

IF "YES", DATE OF REPORT TO NRC:

N/A

IF "YES", TIME OF REPORT TO NRC:

N/A

IF "YES", NAME OF NRC OFFICIAL TO WHOM REPORTED:

N/A

IF "YES", WHO MADE REPORT:

N/A

AFR ORIGINATOR'S SIGNATURE/DATE:

W Gratza *W. Gratza* 1/10/84

ATL SIGNATURE/DATE:

Walter C. ... 1/10/84

C/A VERIFICATION SIGNATURE:

VERIFICATION DATE:



Consumers
Power
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AUDIT FINDING REPORT

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT
S/U: PGM00

AREA: BOP QC E DISCP: E TREND: I-5 PRIORITY: 2

"AS IS" CONDITION VERSUS "AS REQUIRED"/"AS NEEDED" CONDITION WITH REFERENCES:

QAR Procedure M-4, Rev 4, Att. 7.4 requires, for voided QARs, that the void indication, the justification for voiding, and concurrence by the originator be indicated in the disposition block #27.

Contrary to the above requirement, QAR #RA-00036 is missing the void indication, the justification, and the concurrence in block #27.

AFR SER NO:

MSA-83-39-14F

PROJ/DEPT AUDITED: MPQAD
Soils/BOP/HVAC

DATE OF ISSUANCE:

1/10/84

FORM NUMBER:

16.0

ACTION ITEM NO:

S04277

DISTRIBUTION:

S. Saranow	J. Rutgers
J. Bauer	R. Sember
A. E. Bice	D. Taggart
W. Bird/J. P. Knight	R. Wells
J. Brunner	J. Wood
R. Cameron	ALAB-2
J. W. Cook	H. Perrine
R. J. Erhardt	W. Gracza
G. F. Wert	
W. J. Friedrich	
H. P. Leonard	
B. W. Marguglio/D. Jones	
J. K. Meisenheimer	
J. A. Mooney	
D. H. Quamme	

RECOMMENDED CORRECTIVE ACTION:

Recommend correcting existing discrepancy and reviewing existing voided QARs for Att. 7.4 requirements and correcting as required.

CORRECTIVE ACTION COMMITMENT: Response due by 1/31/84.

DATE OF C/A COMPLETION:

DATE OF C/A EFFECTIVENESS:

ORG. RESP FOR C/A:

MPQAD-BOP

PERSON MAKING C/A COMMITMENT:

H Perrine

METHOD OF VERIFICATION:

IS AF REPORTABLE PER 50.55(e):

YES NO

IF "YES", DATE OF REPORT TO NRC:

N/A

IF "YES", TIME OF REPORT TO NRC:

N/A

IF "YES", NAME OF NRC OFFICIAL TO WHOM REPORTED:

IF "YES", WHO MADE REPORT:

N/A

N/A

AFR ORIGINATOR'S SIGNATURE/DATE:

W Gracza

W Gracza 1/10/84

ATL SIGNATURE/DATE:

Walter C. Hoyle 1/10/84

C/A VERIFICATION SIGNATURE:

VERIFICATION DATE:



Consumers
Power
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MPQAD

AREA: BOP QA DISCP: M

UNRESOLVED ITEM

TREND: W-5

PRIORITY: 3

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT
S/U:PGMOO AI: S04278

6. DESCRIPTION OF UNRESOLVED ITEM:

Procedure F-2M, Rev 6/G-3.2, Rev 8, Para 5.1.6(e) states:

"The NCR Reviewer shall forward the NCR to the action organization."

For NCRs A0108 and A0018, documented objective evidence to substantiate that the NCR was forwarded to the action organization was not available for audit team review.

1. URI NO:

MSA-83-39-01U

2. PROJ/DEPT AUDITED: MPQAD
Soils/BOP/HVAC

3. DATE OF ORIGINATION:

1/10/84

4. FILE NO:

16.0

5. DISTRIBUTION:

SBaranow	RAWells
JABauer	JLWood
AEBice	ALAB-2
WRBird	HPerrins
JEBrunner	GVWenninger
RBCameron	
JWCook	
RJErhardt	
GFEwert	
WJFriedrich	
HPLeonard	
BWMarguglio/DJones	
JKMeisenheimer	
JAMooney	
DHQuamme	
JARutgers	
RCSember	
DATaggart	

7. REQUIRED ACTION:

It is recommended that for referenced NCRs the cognizant reviewer shall provide documented objective evidence to substantiate that procedural requirements have been satisfied.

HPerrine

8. ACTION REQUIRED FROM: MPQAD - BOP

9. ACTION REQUIRED BY-DATE: 1/31/84

10. RESPONSE TO URI:

11. URI ORIGINATOR'S SIGNATURE/DATE:

G V Wenninger

G V Wenninger 1/19/84

12. AITL'S SIGNATURE/DATE:

W. G. Holtz

1/19/84

13. URI CLOSURE BASED ON:

RECEIPT OF
ACCEPTABLE
RESPONSE

ISSUANCE OF
AFR

14. AFR NO _____

15. CLOSED BY-SIGNATURE/DATE:



Consumers
Power
Company

MPQAD
AREA: BOP QA DISCP: M

UNRESOLVED ITEM

TREND: W-5

PRIORITY: 3

MIDLAND PROJECT
QUALITY ASSURANCE

DEPARTMENT

S/U: PGM00 AI: S04279

6. DESCRIPTION OF UNRESOLVED ITEM:

MPQAD Procedure M-4, Rev 4, Para 5.1.4 states in part:

"The QAR Reviewer shall review the need to issue Stop Work Order."

Contrary to the above, the reviewer of QAR-0004-ZZ, stated that he did consider the need for a Stop Work Order, however, he had no objective evidence that this had been done. The procedure fails to outline how the reviewer ill document this review.

1. URI NO:

MSA-83-39-02U

2. PROJ/DEPT AUDITED: MPQAD
Soils/BOP/HVAC

3. DATE OF ORIGINATION:

1/10/84

4. FILE NO:

16.0

5. DISTRIBUTION:

SBaranow	RAWells
JABauer	JLWood
AEBice	ALAB-2
WRBird	SZeller
JEBrunner	JNicholas
RBCameron	
JWcook	
RJErhardt	
GFEwert	
WJFriedrich	
HPLeonard	
BWMarguglio/DJones	
JKMeisenheimer	
JAMooney	
DHQuamme	
JARutgers	
RCSember	
DATaggart	

7. REQUIRED ACTION:

- Review Para 5.1.4 and determine the additional direction that is needed in the procedure on how the reviewer is to document the requirements of Para 5.1.4.

S Zeller

8. ACTION REQUIRED FROM: MPQAD - A&T

9. ACTION REQUIRED BY-DATE: 1/31/84

10. RESPONSE TO URI:

11. URI ORIGINATOR'S SIGNATURE/DATE:

J Nicholas

J. Nicholas 1/4/84

12. AIT'S SIGNATURE/DATE:

W. A. Hedger

1/5/84

13. URI CLOSURE BASED ON:

RECEIPT OF
ACCEPEABLE
RESPONSE

ISSUANCE OF
AFR

14. AFR NO _____

15. CLOSED BY-SIGNATURE/DATE:



Consumer Power Company

MPQAD
AREA: BOP QA DISCP: E

UNRESOLVED ITEM

TREND: W-5

PRIORITY: 3 S/U: PGM00 A1: S04280

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT

6. DESCRIPTION OF UNRESOLVED ITEM:

Procedure M-4, Rev 4, Para 5.1.5 requires that the QAR reviewer shall review the QAR for potential reportability using the instruction of Att. 7.5. Att. 7.5 is the "Reportability Checklist". Block #11 of the QAR is checked off by the reviewer indicating the results derived from the checklist.

The only objective evidence that can be reviewed to verify compliance with 5.1.5 is the check-off in block #11. M-4, Rev 4 provides no guidance on the disposition of Att. 7.5 checklist.

1. URI NO:	MSA-83-39-03U
2. PROJ/DEPT AUDITED:	MPQAD Soils/BOP/HVAC
3. DATE OF ORIGINATION:	1/10/84
4. FILE NO:	16.0
5. DISTRIBUTION:	SBaranow JABauer AEBice WRBird JEBrunner RBCameron JWCook RJEhardt GFEwert WJFriedrich HPLeonard BWMarguglio/DJones JKMeisenheimer JAMooney DHQuanne JARutgers RCSember DATaggart

7. REQUIRED ACTION:

If this checklist can be considered a QA record, it should then be controlled and included with completed QARs. The procedure needs to address the methods of holding Att. 7.5 after it is completed by the reviewer.

SZeller

8. ACTION REQUIRED FROM: MPQAD - A&T

9. ACTION REQUIRED BY-DATE: 1/31/84

10. RESPONSE TO URI:

11. URI ORIGINATOR'S SIGNATURE/DATE:

W A Gratza 1/9/84
W A Gratza

12. A&T'S SIGNATURE/DATE:

W. C. Heister 1/9/84
W. C. Heister 1/9/84

13. URI CLOSURE BASED ON:

RECEIPT OF
ACCEPTABLE
RESPONSE

ISSUANCE OF
A&T

14. AFR NO _____

15. CLOSED BY-SIGNATURE/DATE:



Consumers
Power
Company

MPQAD
AREA: BOP QA DISCP:

UNRESOLVED ITEM

E TREND: W-5 PRIORITY: 3

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT
S/U: PGM00 AI: S04281

6. DESCRIPTION OF UNRESOLVED ITEM:

Procedure M-4, Rev 4 requires the QAR Reviewer to determine the need for a Stop Work Order. Neither the procedure nor the QAR form provides for objective evidence that this is accomplished.

- 1. URI NO:
MSA-83-39-04U
- 2. PROJ/DEPT AUDITED: MPQAD
Soils/BOP/HVAC
- 3. DATE OF ORIGINATION:
1/10/84
- 4. FILE NO:
16.0
- 5. DISTRIBUTION:
SBaranow RAwells
JABauer JLWood
AEBice ALAB-2
WRBird SZeller
JEBrunner WAGratza
RBCameron
JWCook
RJEhardt
GFEwert
WJFriedrich
HPLeonard
BWMarguglio/DJones
JKMeisenheimer
JAMooney
DHQuanne
JARutgers
RCSember
DATaggart

7. REQUIRED ACTION:

It is recommended that a check-off on the QAR form indicating that the need for a Stop Work Order has been considered should be included.

SZeller

8. ACTION REQUIRED FROM: MPQAD - A&T

9. ACTION REQUIRED BY-DATE: 1/31/84

10. RESPONSE TO URI:

11. URI ORIGINATOR'S SIGNATURE/DATE:

W A Gratza 1/9/84

12. AQL'S SIGNATURE/DATE:

WAG 1/9/84

W. Clotted 1/9/84

13. URI CLOSURE BASED ON:

RECEIPT OF
ACCEPTABLE
RESPONSE

ISSUANCE OF
AFR

14. AFR NO _____

15. CLOSED BY-SIGNATURE/DATE:



Consumers
Power
Company

AREA: MPQAD
BOP QA DISCP: E

UNRESOLVED ITEM

TREND: W-5

PRIORITY: 3

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT
S/U: PGM00 AI: S04282

6. DESCRIPTION OF UNRESOLVED ITEM:

No copies available in DCC of voided MCAR/Rs and NCRs and QARs written prior to 8/29/83. Retention was not a requirement under the old procedures. However, F-12M, App A does require voided QARs and NCRs to be retained as permanent QA Records.

1. URI NO:

MSA-83-39-05U

2. PROJ/DEPT AUDITED: MPQAD Soils/BOP/HVAC

3. DATE OF ORIGINATION:

1/10/84

4. FILE NO:

16.0

5. DISTRIBUTION:

SBaranow	RAWells
JABauer	JLWood
AEBice	ALAB-2
WRBird	HPerrine
JEBrunner	WAGratza
RBCameron	
JWCook	
RJErhardt	
GFEwert	
WJFriedrich	
HPLeonard	
BWMarguglio/DJones	
JKMeisenheimer	
JAMooney	
DHQuamme	
JARutgers	
RCSember	
DATaggart	

7. REQUIRED ACTION:

It is recommended that the QAR and NCR procedures be revised to include this requirement so that a similar situation does not develop under the new program.

HPerrine

8. ACTION REQUIRED FROM: MPQAD - BOP

9. ACTION REQUIRED BY-DATE: 1/31/84

10. RESPONSE TO URI:

11. URI ORIGINATOR'S SIGNATURE/DATE:

W A Gratza 1/9/84

12. ACTL'S SIGNATURE/DATE:

WAG 1/9/84

W. C. Hedger 1/9/84

13. URI CLOSURE BASED ON:

RECEIPT OF
ACCEPTABLE
RESPONSE

ISSUANCE OF
AFR

14. AFR NO _____

15. CLOSED BY-SIGNATURE/DATE:

STONE AND WEBSTER MICHIGAN, INC.
 P.O. BOX 7963, MIDLAND, MICHIGAN 48640

DATE	1/10/84
J. Q. NO.	14509
P. Q. NO.	N/A
LTR. NO.	SWOC - 84-005
REF.	N/A

PRINT	EL STAFF
RA	DE
A/RA	DR
RC	A
SAJ	
ENT	

orig 3

VIA

TO D. L. QUAMME, COCo Midland (site)

DEAR SIRs:

THE FOLLOWING ARE ATTACHED. SENT SEPARATELY:

<input type="checkbox"/> COPIES	<input type="checkbox"/> PRINTS	<input type="checkbox"/> REPRODUCIBLES	<input type="checkbox"/> MICROFILM APERTURE CARDS
EACH OF			
<input type="checkbox"/> DRAWINGS	<input type="checkbox"/> DOCUMENTS	<input type="checkbox"/> SPECIFICATIONS	<input type="checkbox"/> NOTES OF CONFERENCE

STATUS		PLEASE NOTE	SENT FOR YOUR	
<input type="checkbox"/> FINAL	<input type="checkbox"/> APPROVED	<input type="checkbox"/> REVISIONS	<input type="checkbox"/> OMISSIONS	<input type="checkbox"/> APPROVAL <input type="checkbox"/> COMMENT
<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> APPROVED AS REVISED <small>(AS DEFINED IN SPECIFICATION)</small>	<input type="checkbox"/> ADDITIONS	<input type="checkbox"/> CORRECTIONS	<input type="checkbox"/> USE <input type="checkbox"/> INFORMATION
<input type="checkbox"/> NO COMMENT	<input type="checkbox"/> UNACCEPTABLE	<input type="checkbox"/> COMMENTS	<input type="checkbox"/>	<input checked="" type="checkbox"/> FILES <input type="checkbox"/> CONCURRENCE
<input type="checkbox"/> SUGGESTIONS AS NOTED	<input checked="" type="checkbox"/> CLOSED			

YOUR ATTENTION IS DIRECTED TO THE FOLLOWING:

RELEASED FOR: FABRICATION PURCHASE OF NECESSARY MATERIALS

PLEASE REVISE AND SUBMIT _____ PRINTS _____ REPRODUCIBLES _____ MICROFILM APERTURE CARDS.

PLEASE SUBMIT _____ PRINTS _____ REPRODUCIBLES _____ MICROFILM APERTURE CARDS OF DOCUMENTS DRAWINGS SHOP DETAIL.

PLEASE RETURN ONE COPY EACH OF THIS MATERIAL BEARING YOUR APPROVAL OR COMMENTS.

PLEASE ACKNOWLEDGE RECEIPT OF THIS MATERIAL BY SIGNING AND RETURNING THE ENCLOSED COPY OF THIS FORM.

WE TRUST THAT THESE NOTES ARE IN ACCORDANCE WITH YOUR UNDERSTANDING. IF NOT, PLEASE ADVISE US.

IMPORTANT SHOULD ANY REVISION TO DOCUMENTS OR DRAWINGS RETURNED HERewith INVOLVE A PRICE INCREASE. THE SUPPLIER MUST NOTIFY STONE & WEBSTER PURCHASING DEPARTMENT WITHIN TEN (10) DAYS EVEN THOUGH A DEFINITE ESTIMATE CANNOT BE GIVEN AT THE TIME. OTHERWISE, THE PURCHASER WILL CONSIDER THE REVISIONS MADE WITHOUT COST.

The following Closed CIO Item/Hold Point Notification(s) is (are) attached for your action/information:

Item 039 _____

Item 040 _____

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

cc: JCKeppler, US NRC
 JHarrison, US NRC
 RJCook, US NRC
 RAWells, CCo
 CIO Site File

8401190348 3pp

JAN 13 1984

STONE & WEBSTER CONSTRUCTION IMPLEMENTATION OVERVIEW MIDLAND NUCLEAR PLANT J.O. NO. 14509		ITEM NUMBER 039	HOLD POINT NUMBER
REFERENCE(S) CIO Weekly Report No. 27 NIR-009		<input checked="" type="checkbox"/> TRACKED ACTION ITEM	
		<input type="checkbox"/> TRACKED INFORMATION ITEM	
		<input type="checkbox"/> TRACKED RECOMMENDATION ITEM	
		<input type="checkbox"/> UNTRACKED ITEM	
		<input type="checkbox"/> HOLD POINT NOTIFICATION	
CONDITION DETAILS To check the adequacy of the register reconciliation phase, Phase III, of the FCR/FCN Resolution Program, a sample of controlled architectural documents held at four stations were reviewed. Although no discrepancies were found with documents that had been processed through the Resolution Program, a drawing that had not been processed, A-213 at QC Station No. 55, was found missing from a stick file. NIR 009 was issued to document the deficiency.			
NOTE: This Report is issued for Record and Continuity Purposes only. As indicated in the referenced documents the item has previously been closed. No further action is required.			
<input type="checkbox"/> YES (PAGE NO.'S) <input checked="" type="checkbox"/> NO			
ATTACHMENTS			
DATE RESPONSE REQ'D. N/A	INITIATOR/DATE N/A	INITIATION APPROVED/DATE <i>J. P. [Signature]</i> 1-6-84	
RESPONSE MPQAD added drawing A-213 to the file and a re-sampling was conducted. That check was satisfactory and the item and NIR were closed.			
<input type="checkbox"/> YES (PAGE NO.'S) <input checked="" type="checkbox"/> NO			
ATTACHMENTS			
EST. CORRECTIVE ACTION COMPLETION DATE N/A	RESPONDENT N/A	TITLE N/A	DATE N/A
RESPONSE ACCEPTED N/A	DATE N/A	RESPONSE VERIFIED/CLOSED <i>J. P. [Signature]</i>	DATE 1-6-84

STONE & WEBSTER CONSTRUCTION IMPLEMENTATION OVERVIEW MIDLAND NUCLEAR PLANT J.O. NO. 14509	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">ITEM NUMBER 040</td> <td style="width:50%;">HOLD POINT NUMBER</td> </tr> <tr> <td colspan="2"> <input type="checkbox"/> TRACKED ACTION ITEM <input checked="" type="checkbox"/> TRACKED INFORMATION ITEM <input type="checkbox"/> TRACKED RECOMMENDATION ITEM <input type="checkbox"/> UNTRACKED ITEM <input type="checkbox"/> HOLD POINT NOTIFICATION </td> </tr> </table>	ITEM NUMBER 040	HOLD POINT NUMBER	<input type="checkbox"/> TRACKED ACTION ITEM <input checked="" type="checkbox"/> TRACKED INFORMATION ITEM <input type="checkbox"/> TRACKED RECOMMENDATION ITEM <input type="checkbox"/> UNTRACKED ITEM <input type="checkbox"/> HOLD POINT NOTIFICATION	
ITEM NUMBER 040	HOLD POINT NUMBER				
<input type="checkbox"/> TRACKED ACTION ITEM <input checked="" type="checkbox"/> TRACKED INFORMATION ITEM <input type="checkbox"/> TRACKED RECOMMENDATION ITEM <input type="checkbox"/> UNTRACKED ITEM <input type="checkbox"/> HOLD POINT NOTIFICATION					
REFERENCE(S) CIO Weekly Report No. 27 NIR - 010 CIO Weekly Report No. 28					

CONDITION DETAILS

To check the adequacy of the resolution phase, Phase II, of the FCR/FCN Resolution Program, a sample of civil drawings was reviewed. Resolution sheets for one FCR, FCR C-1526, were found to be ambiguous. The sheets were unclear as to whether the FCR affected both of the drawings listed, C-358 and C-479.

NOTE:

This report is issued for Record and Continuity Purposes only. As indicated in the referenced documents the item has previously been closed. No further action is required.

YES (PAGE NO.'S) NO

ATTACHMENTS

DATE RESPONSE REQ'D. N/A	INITIATOR/DATE N/A	INITIATION APPROVED/DATE <i>J. K...</i> 1-6-84
-----------------------------	-----------------------	---

RESPONSE

Field project engineering has issued another resolution sheet, which was reviewed and found acceptable.

YES (PAGE NO.'S) NO

ATTACHMENTS

EST. CORRECTIVE ACTION COMPLETION DATE N/A	RESPONDENT N/A	TITLE N/A	DATE N/A
---	-------------------	--------------	-------------

RESPONSE ACCEPTED N/A	DATE N/A	RESPONSE VERIFIED/CLOSED <i>J. K...</i>	DATE 1-6-84
--------------------------	-------------	--	----------------



**Consumers
Power
Company**

Dean L Quamme
Site Manager
Midland Project

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

December 29, 1983

PRINCIPAL STAFF		
A	has	DRPP
D/RA		IDE
M/RA		DRMSE
RC		DRMA
PAO		SCS
SGA		ML
ENF	File	has

orig+3

Mr S W Baranow
Stone & Webster Michigan, Inc
P O Box 1963
Midland, MI 48640

MIDLAND ENERGY CENTER
FCN/FCR SOILS STOP WORK ORDERS
File: B1.1.7, 0460.3 UFI: 99*08, 73* Serial: CSM-0714

This is to advise you that the MPQAD Audit of Civil Stations 8, 10, 13, 24 and 64 has been completed and are now ready for the Stone and Webster final audit.

These stations represent the first of the two Civil packages that were described to you in my letter to Stone and Webster of last week. With the successful completion of your audit of these stations, it is our intent to lift the stop work on the soils activities and allow physical work in that area to resume.

Your cooperation in completing your audit functions will be appreciated. If you need any support for the Consumers or Bechtel organizations during your audit activities, please do not hesitate to make your needs known.

DLQ/JKM/kp

cc: JJHarrison, NRC Region III
JGKepler, NRC Region III
RJCook, NRC - Site
NIREichel, MEC
BHFock, MEC
DDJohnson, MEC
JKMeisenheimer, QA

~~840/1100286~~

JAN 5 1984



**Consumers
Power
Company**

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

LAB 156-83

December 28, 1983

Mr Stan Baranow
Stone & Webster Engineering
Midland Nuclear Plant Project
Trailer 186
3500 E Miller Road
Midland, MI 48640

PRINCIPAL STAFF	
RA	<i>has</i>
D/RA	DE
A/RA	DRMSP
IC	DRMA
FAO	SCS
SGA	ML
ENF	File <i>has</i>

Long+3

MIDLAND ENERGY CENTER PROJECT -
TRANSMITTAL OF (3) COMPUTER PRINTS

You have been placed on a weekly distribution for the following MPOAD
Personnel printouts.

- Summary of Inspector Training - PMerritt
- Personnel Forms - Perschk
- Item Complete - PBack

These prints will be forwarded to you each Monday until further notice.

L. Botimer / GFEwert

GFEwert/LABotimer

Prints for the week of December 26, 1983

cc: JHarrison, NRC
DLQuamme, Site Mgr
RAWells, MPQAD

8401100384

JAN 5 1984

PRINCIPAL STAFF	
<input checked="" type="checkbox"/> RA	DPRP
<input type="checkbox"/> D/RA	DE
<input type="checkbox"/> A/RA	DRMSF
<input type="checkbox"/> PC	DRMA
<input type="checkbox"/> PAO	SCS
<input type="checkbox"/> SGA	ML
<input type="checkbox"/> NE	File

ST. STONE AND WEBSTER MICHIGAN, INC.
P.O. BOX 163, MIDLAND, MICHIGAN 48640

DATE	1/3/63
J. O. NO.	14509
P. O. NO.	N/A
LTR. NO.	83-0003
REF.	N/A

VIA

TO D. L. QUAMME, CPCo Midland (site)

DEAR SIR:

THE FOLLOWING ARE ATTACHED: SENT SEPARATELY:

COPIES	PRINTS	REPRODUCIBLES	MICROFILM APERTURE CARDS
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EACH OF			
<input type="checkbox"/> DRAWINGS	<input type="checkbox"/> SPECIFICATIONS		
<input type="checkbox"/> DOCUMENTS	<input type="checkbox"/> NOTES OF CONFERENCE		

STATUS		PLEASE NOTE	SENT FOR YOUR	
<input type="checkbox"/> FINAL	<input checked="" type="checkbox"/> APPROVED	<input type="checkbox"/> REVISIONS	<input type="checkbox"/> OMISSIONS	<input type="checkbox"/> APPROVAL <input type="checkbox"/> COMMENT
<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> APPROVED AS REVISED	<input type="checkbox"/> ADDITIONS	<input type="checkbox"/> CORRECTIONS	<input type="checkbox"/> USE <input type="checkbox"/> INFORMATION
<input type="checkbox"/> NO COMMENT	<input type="checkbox"/> UNACCEPTABLE	<input type="checkbox"/> COMMENTS	<input type="checkbox"/>	<input type="checkbox"/> FILES <input type="checkbox"/> CONCURRENCE
<input type="checkbox"/> SUGGESTIONS AS NOTED	<input type="checkbox"/>			<input type="checkbox"/>

YOUR ATTENTION IS DIRECTED TO THE FOLLOWING:

RELEASED FOR: FABRICATION PURCHASE OF NECESSARY MATERIALS

PLEASE REVISE AND SUBMIT _____ PRINTS _____ REPRODUCIBLES _____ MICROFILM APERTURE CARDS.

PLEASE SUBMIT _____ PRINTS _____ REPRODUCIBLES _____ MICROFILM APERTURE CARDS OF DOCUMENTS DRAWINGS SHOP DETAIL.

PLEASE RETURN ONE COPY EACH OF THIS MATERIAL BEARING YOUR APPROVAL OR COMMENTS.

PLEASE ACKNOWLEDGE RECEIPT OF THIS MATERIAL BY SIGNING AND RETURNING THE ENCLOSED COPY OF THIS FORM.

WE TRUST THAT THESE NOTES ARE IN ACCORDANCE WITH YOUR UNDERSTANDING. IF NOT, PLEASE ADVISE US.

IMPORTANT SHOULD ANY REVISION TO DOCUMENTS OR DRAWINGS RETURNED HERewith INVOLVE A PRICE INCREASE THE SUPPLIER MUST NOTIFY STONE AND WEBSTER PURCHASING DEPARTMENT WITHIN TEN (10) DAYS EVEN THOUGH A DEFINITE ESTIMATE CANNOT BE GIVEN AT THE TIME. OTHERWISE, THE PURCHASER WILL CONSIDER THE REVISIONS MADE WITHOUT COST.

CIO NIR 012 is forwarded for appropriate action

cc: JGKepler, NRC
JHarrison, NRC
RJCook, NRC
RAWells, CPCo

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

ATTACHMENTS

6401100465

JAN 6 1984

STONE AND WEBSTER ENGINEERING CORPORATION
 NONCONFORMANCE IDENTIFICATION REPORT

Page 1 of 2
 QCI 15.01
 Attachment 4.1
 Revision 2

DATE OF NONCONFORMANCE: January 2, 1984 NIR NUMBER 012

IDENTIFICATION/LOCATION OF ITEMS:
 Civil Review Phase III FCR/FCN Midland CIO Office Drawings Stations 8-10-13

DESCRIPTION OF NONCONFORMANCE:
 Station 8: FSK Drawings in station 8 do not agree with Bechtels Master Composite Register, the revision column and the sheet column appears to be a problem. This is a generic problem with the CIO's sampled FSK's.
 Station 10: 1) The following Design Drawings and Specifications have inconsistent quantity distribution. The Bechtel FDDL quantity does not agree with the actual count in the field station. Specification # C-195, C-197, C-198, C-200. Design Drawings # C-1492, C-1493-1, C-97, C-8 and C-2031. 2) All vendor controlled drawings have one copy in their station that is voided. This practice can not be verified per procedure. 3) Spencer-White and Prentice had the following Design Drawings missing from station 10, one copy (sepia) of C-8 and one copy (sepia) of C-97. Two sepia were issued for each drawing per Bechtels FDDL. 4) Design Drawing C-2031-19 revision 1 did not have FCR 6974 attached to the drawing.
 (continued on Page 2)

INITIATOR R. Scallan PROGRAM MGR J. for S. Baranow
 DATE January 3, 1984 DATE 1/3/84

CORRECTIVE ACTION BY: MPQAD
 IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

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

REMARKS

(5) -- pulled-back, the Composite Register did not. 6) Mergentime FSK CA 1062 Revision 6 - FCR C-6053 was on the blue-line (attached) but was not on the Sepia. 7) FSK 1060 shows in the Register as "FSK 1060 sheet 7", however it should indicate "FSK 1060 Revision 7 with only one sheet." 8) FSK 1062 shows in the Register as "FSK 1062 sheet 6 revision 4," however it should indicate "FSK 1062 revision 6 with only one sheet." 9) Specification C-305 located in station 10 Mergentime was missing the symbol ® to indicate that there is a retired document against this specification.

Station 13: Specification C-306 had referenced FCR C-4854 but it was not attached to the Specification. 2) Control Drawing C0482 sheet 1 outstanding attachment stamp could not be read. Also a ® symbol was located on the drawing while the Composite Register had it voided.

STONE AND WEBSTER MICHIGAN, INC.
P.O. BOX 1963, MIDLAND, MICHIGAN 48640

DATE	1/3/84
J. O. NO.	14509
P. O. NO.	N/A
LTR. NO.	83-0004
REF.	N/A

VIA

TO D. L. QUAMME, CPCo Midland (site)

DEAR SIRs:

THE FOLLOWING ARE ATTACHED: SENT SEPARATELY:

COPIES	PRINTS	REPRODUCIBLES	MICROFILM APERTURE CARDS
EACH OF			
<input type="checkbox"/> DRAWINGS	<input type="checkbox"/> SPECIFICATIONS		
<input type="checkbox"/> DOCUMENTS	<input type="checkbox"/> NOTES OF CONFERENCE		

STATUS		PLEASE NOTE	SENT FOR YOUR		
<input type="checkbox"/> FINAL	<input checked="" type="checkbox"/> APPROVED	<input type="checkbox"/> REVISIONS	<input type="checkbox"/> OMISSIONS	<input type="checkbox"/> APPROVAL	<input type="checkbox"/> COMMENT
<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> APPROVED AS REVISED AS DEFINED IN SPECIFICATION	<input type="checkbox"/> ADDITIONS	<input type="checkbox"/> CORRECTIONS	<input type="checkbox"/> USE	<input type="checkbox"/> INFORMATION
<input type="checkbox"/> NO COMMENT	<input type="checkbox"/> UNACCEPTABLE	<input type="checkbox"/> COMMENTS	<input type="checkbox"/>	<input type="checkbox"/> FILES	<input type="checkbox"/> CONCURRENCE
<input type="checkbox"/> SUGGESTIONS AS NOTED	<input type="checkbox"/>			<input type="checkbox"/>	

YOUR ATTENTION IS DIRECTED TO THE FOLLOWING:

RELEASED FOR: FABRICATION PURCHASE OF NECESSARY MATERIALS

PLEASE REVISE AND SUBMIT _____ PRINTS _____ REPRODUCIBLES _____ MICROFILM APERTURE CARDS.

PLEASE SUBMIT _____ PRINTS _____ REPRODUCIBLES _____ MICROFILM APERTURE CARDS OF DOCUMENTS DRAWINGS SHOP DETAIL

PLEASE RETURN ONE COPY EACH OF THIS MATERIAL BEARING YOUR APPROVAL OR COMMENTS.

PLEASE ACKNOWLEDGE RECEIPT OF THIS MATERIAL BY SIGNING AND RETURNING THE ENCLOSED COPY OF THIS FORM.

WE TRUST THAT THESE NOTES ARE IN ACCORDANCE WITH YOUR UNDERSTANDING. IF NOT, PLEASE ADVISE US.

CIO NIR 011 is forwarded for appropriate action

PRINCIPAL STAFF			
RA	1/2	DPRP	
D/RA		DE	
A/RA		DRMSF	
RC		DRITA	
PAO		SCS	
SGA		HL	
ENF		File	

orig. + 3

cc: JWCook, CPCo
RAWells, CPCo
JJHarrison, NRC
JGKepler, NRC

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

ATTACHMENTS

~~8461100002~~

JAN 6 1984

S. NE AND WEBSTER ENGINEERING CORPORATION
NONCONFORMANCE IDENTIFICATION REPORT

OCI 15.01
Attachment 4.1
Revision 2

DATE OF NONCONFORMANCE:		DECEMBER 30, 1983		NIR NUMBER <u>011</u>	
IDENTIFICATION/LOCATION OF ITEMS:					
ARCH. REVIEW PHASE III FCR/FCN MIDLAND CIO OFFICE DWG STATIONS 51 AND 59					
DESCRIPTION OF NONCONFORMANCE:					
<p>While performing a sampling inspection of controlled architectural DWGS, the following was noted concerning the Implementation of the Symbol R for retired FCR/FCNs. FID 2.100 Rev.5 states:</p> <ol style="list-style-type: none"> 1. Paragraph 6.3 (Recipients will place an R near the title block of the "parent" document to indicate the retirement of an FCR/FCN.) 2. Paragraph 6.4 (FDCC will annotate their copy of the original "parent" document with an R.) <p>The following conflict was noted:</p> <ol style="list-style-type: none"> 1. On Drawing numbers A-49 & A-73 had a R symbol while Drawing A-71 did not. This condition was found in station number 59 (FDCC) 2. On Drawing numbers A-49 & A-73 there was no symbol R and Drawing A-71 did have the symbol. This condition was found in station number 51 (Office #1) 					
Rich Scallan INITIATOR		<u>Rich Scallan</u>		PROGRAM MGR <u>As for SWBavanc w</u>	
DATE <u>12/30/83</u>		DATE <u>12/31/83</u>			
CORRECTIVE ACTION BY:					
<u>MPQAD</u>					
IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION					
VERIFICATION	SAT	UNSAT	NEW NIR#	CONCURRENCE	
INITIATOR	_____		DATE	PROGRAM MGR	_____
DATE	_____		DATE	DATE	_____
REMARKS					

RETURN TO : REGION IN CENTRAL FILES

CONTENTS MUST NOT BE REMOVED

DATE: 11/83 - 02/83

SUBJECT: STATE AND REGISTER DOCUMENTS (MILLANPOUS)



**Consumers
Power
Company**

Dean L Quamme
Site Manager
Midland Project

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

December 22, 1983

PRINCIPAL STAFF		
✓ RA	<i>DLQ</i>	CPRP
D/RA		DE
A/RA		DRMSP
✓ RC	<i>DLQ</i>	DRMA
PAO		SCS ✓
SGA		ML
ENF		File <i>DLQ</i>

orig +3

Mr S W Baranow
Stone & Webster Michigan, Inc
P O Box 1963
Midland, MI 48640

MIDLAND ENERGY CENTER GWO 7020
BY PASSING OF QC HOLD POINTS
File: B1.1.7, 0655 UFI: 9908, 53*50*04 Serial: CSC-7110

Attached is Bechtel's Letter No BCCC-8837 dated December 19, 1983 in complete response to the issue regarding the bypassing of QC Hold Points. Please advise if this response is acceptable to close out this issue.

Dean L Quamme

DLQ/DDJ/klp

cc: JGKepler, NRC w/a
JHarrison, NRC w/a
RJCook, NRC w/a
RAWells, MPQAD w/a
BHPeck, MEC w/a
NIRichel, MEC w/a

8401050371

DEC 30 1983

Becht Power Corporation

Post Office Box 2167
Midland, Michigan 48640



December 19, 1983

Consumers Power Company
P.O. Box 1963
Midland, MI 48640

Attention: D.L. Quamme

Job 7220 Midland Project
REVIEW OF STONE & WEBSTER'S
CCP OVERVIEW REPORT NO. 25
BCCC-8837

Dear Mr. Quamme:

References: (1) NCRs C-00628, C-00640, & C-00650, By Passing of QC Hold Points

(2) Meeting between Mizan Majumder (BPCo), Ed Jones (MPQAD) Dick Schaut (MPQAD) and Mark Johnson (MPQAD)

Construction's review of Stone & Webster's Overview Report No. 25 identified one (1) open (Construction) action item, specifically, the meeting note "B" on Page 2, concerning by passing of QC hold points.

Detailed below is our complete response on the issue:

We have conducted an investigation on the subject which revealed that the QC inspectors concerned misinterpreted the provision of hold points as stated in PQCI E-5.0, Rev. 13, as it related to the actual field situation at the time.

After careful examination of the facts, the QC inspectors and their respective supervisors agreed that the hold points were not by passed (Ref. 2 above). Since the NCRs contained other nonconforming conditions apart from this issue, revisions to the NCRs were initiated by MPQAD on 12/16/83 to delete the hold point violation portions.

Based on the results of this investigation it is concluded that there is no generic problem associated with Construction by passing QC hold points.

If you have any questions concerning the above, please contact B.T. Foote at Ext. 7507.

Very truly yours,

G.A. Hierzer

G.A. Hierzer
Site Manager

MMR
GAH/MLAD/BTF/MMR/lcc

Attachments: Copies of revised NCRs C-00628, C-00640 & C-00650

CC: N. Reichel

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT

RECORD COPY
NONCONFORMANCE REPORT

16 MCR NO.

C-00640

17 DATE ISSUED

SEPTEMBER 30, 1983

18 REV

2
10
7

19

PAGE 1 OF 2

3
7-10-83
11-06
7 12-10-83

1 ITEM LOCATION

AUXILIARY BLDG. - ELEV. 659' - EQUIP. 2C166 - UNIT II

2 ITEM DRAWING/PART NO.

FSK-EGI-SH.II, REV. 18
10-06-83

3 ITEM PART NAME REFER TO CHR-2-RLC-E-192B

CABLE ORIO46D-1a

4 ITEM SERIAL NO.

N/A

5 ITEM DESCRIPTION

MARKEL TUBING THAT IS INSTALLED ON DRAIN WIRE.

6 ITEM STARTUP SYSTEM NO.

OGLH

7 REFERENCE DOCUMENT

PQCI-E-5.0 REV.13 / FSK-EGI, REV. 7
8-7-83

8 ASME A.N.I. REQUIRED

YES NO

9 INSPECTION RECORD NO.

ORIO46D-1a

LOG NO.

213131

REV NO.

0

10 RESPONSIBLE ORGANIZATION

CONSTRUCTION
10-06-83

11 NONCONFORMANCE DISCOVERED DURING:

POST INSPECT

TURNOVER

DESIGN

RECEIVING

CONST

RELEASE FOR INSPECT

POST TURNOVER

PRE-OP TEST

FINAL TURNOVER

OVERINSPECT

12 REQUIREMENT

- ~~1. PQCI-E-5.0, R.13 DESIGNATES A HOLD POINT FOR ACTIVITY 2.7~~ 12-16-83
- FSK-EGI-SH.II R.7: INSULATE DRAIN WIRE WITH MARKEL INSULATING SLEEVE TAPED AT BOTH ENDS TO PREVENT FRAYING.

13 NONCONFORMANCE ~~ITEM 1: QC WAS NOT PRESENT TO INSPECT THE ATTRIBUTES LISTED IN ACTIVITY 2.7 PRIOR TO WORK PROCEEDING.~~ 12-16-83

ITEM 2: THE MARKEL INSULATING SLEEVE THAT IS INSTALLED ON THE DRAIN WIRE DOES NOT HAVE TAPE APPLIED TO EITHER END. BOTH ENDS ARE FRAYED.

14 MCR ORIGINATED BY (PERSON)

M. Johnson

09-30

DATE

15 MCR ORIGINATED BY (DISCIPLINE)

ELECTRICAL

20 NUMBER OF HOLD TAGS (IF APPLIED)

2 HOLD TAGS ATTACHED

21 LOCATION OF HOLD TAGS

Auxiliary Bldg. ELEV. 659'
ONE @ 2C166 ONE @ OPDV6575A

22 POTENTIAL 50.55(e)

YES NO

24 ACTION ITEM NO.

503363

26 ITEM PRIORITY CODE NO.

5

28 MCR REVIEWED BY: *Victor Sullivan* 12.16.83

Lloyd Doff

23 REPORTED TO MPQA MANAGER

DATE N/A

25 DISCIPLINE:

E

27 TREND CODE

B-3

DATE:

10-5-83

CONTINUED ON REVERSE

F-24/1A (Rev 1)

NONCONFORMANCE REPORT
CONTINUATION SHEET

BLOCK 18: A

BLOCK 12 AND 13: EXPLANATION OF DELETING OF ITEM # 1 IN BLOCKS

12 & 13. A 12-16-83

TAPING OF MARKEL INSULATING SLEEVE WAS NOT DONE BY
CONSTRUCTION ENABLING QC INSPECTION OF THIS HOLD POINT
ACTIVITY. ITEM 1 WAS WRITTEN IN ERROR.

ITEM LOCATION

LE. 659; AUXILLARY BLDG, AREA 3, UNIT Z, EQUIP # ZC166

ITEM DRAWING/PART NO.
PQCI E-5.0, REV. 13
SK-EG1, Sh. 11, REV 8

3 ITEM PART NAME
REFER TO CWR Z-RLC-E-1928
CABLE OAI045A-1a

4. ITEM SERIAL NO.
N/A

ITEM DESCRIPTION

INSTALLATION OF MARKEL TUBING ON DRAIN WIRE

ITEM STARTUP SYSTEM NO.
OGLH

7 REFERENCE DOCUMENT
PQCI E-5.0, REV. 13 FSK-EG1, R.8

8 ASSE A.S.I. REQD
 YES NO

9 INSPECTION RECORD NO. E-5.0
OAI045A-1a

LOG NO.
213130

REV NO.
0

10 RESPONSIBLE ORGANIZATION
CONSTRUCTION

1 NONCONFORMANCE DISCOVERED DURING:
 POST INSPECT TURNOVER

DESIGN REKEYING COST RELEASE FOR DISP
 POST TURNOVER PRE-OP TEST FINAL TURNOVER OVERINSPE

2 REQUIREMENT

1. PQCI E-5.0, REV. 13, DESIGNATES A HOLD POINT FOR ACTIVITY 2.7 PRIOR TO WORK PROCEEDING PAST THIS POINT. 12/16/83 S.H.H.
2. FSK-EG1, SH. 11 REV 8: INSULATE DRAIN WIRE WITH MARKEL INSULATING SLEEVE TAPED AT ENDS TO PREVENT FRAYING.

3 - NONCONFORMANCE

ITEM 1: QC WAS NOT PRESENT TO INSPECT ATTRIBUTES LISTED IN ACTIVITY 2.7 PRIOR TO WORK PROCEEDING PAST THIS POINT. 12/16/83 S.H.H.

ITEM 2: THE MARKEL INSULATING SLEEVE THAT IS INSTALLED ON THE DRAIN WIRE DOES NOT HAVE TAPE APPLIED TO EITHER END. BOTH ENDS OF THE SLEEVE ARE FRAYED.

14 NON ORIGINATED BY (PERSON)
Alvin H. Holley
15 NON ORIGINATED BY (DISCIPLINE)
Electrical

20 NUMBER OF HOLD TAGS (IF APPLIED)
2 HOLD TAGS ATTACHED

21 LOCATION OF HOLD TAGS Auxiliary Bldg.
EL. 654, 9'-6" E S. 6, 0' J / Coiled in 2A JISS6, 50' B WALL, 8' E.
ONE AT ZC166 / ONE AT OFT 6575A

22 POTENTIAL SO. 55(e)
 YES NO

24 ACTION ITEM NO.
S03346

26 ITEM PRIORITY CODE NO.
5

23 NON REVIEWED BY
[Signature]

23 REPORTED TO MPCA MANAGER
DATE N/A

25 DISCIPLINE:
E

27 TEND CODE
B-3

DATE:
10-5-83

Block 18: A

Block 12 and 13: EXPLANATION of Deleting of Item
1's in blocks 12 and 13 (3) 12/14/83 J

Taping of Markel Insulating Sleeve
was not done by construction enabling
Q.C. inspection of this Hold Point Activity
Item #1 written in error

ITEM LOCATION

ELEV. 659'-AUX BLDG. 10'E/8.6 & J LINE 2C166 CA

ITEM DRAWING/PART NO.
FSK-EG1 REV.8
J-316 SH.8 REV.3

3 ITEM PART NAME
CWR 2RLC-E-1928
CABLE 2AI002A-1a

4. ITEM SERIAL NO.
N/A

ITEM DESCRIPTION

CABLE: 2 CONDUCTOR, SHIELDED-107

ITEM STARTUP SYSTEM NO.
2 EGA

7 REFERENCE DOCUMENT
E 999 REV.4 P 3.15, FSK-EG1 SH.11, REV.8

8 ASPE A.R.I. REVIEW
 YES NO

INSPECTION RECORD NO.
50-2AI002-1a

LOG NO.
213129

REV NO.
0

10 RESPONSIBLE ORGANIZATION
CONSTRUCTION PEPCO 626 2RB. 143/83

1 NONCONFORMANCE DISCOVERED DURING:
 DESIGN RECEIVING CONST RELEASE FOR DISPEL
 POST INSPECT TURNOVER POST TURNOVER PRE-OP TEST FINAL TURNOVER OVERINSPECT
2RB. 10/7/83

2 REQUIREMENT
ITEM 1: E999 REV.4 P 3.1.5 STATES THAT ALL WIRE TERMINATIONS --- WITH COMPRESSION TYPE CONNECTORS --- WHEN INSTALLED, THE INDENTATION SHALL FACE OUT.
ITEM 2: FSK-EG1 SH.11 STATES THAT ONE MUST INSULATE DRAIN WIRE WITH INSULATING SLEEVE TAPED AT BOTH ENDS TO PREVENT FRAYING.
ITEM 3: ~~HOLD POINT: THE REQUIREMENT IS THAT A GCE SHALL WITNESS OR INSULATION INTEGRITY PRIOR TO INSTALLING TAPE. 6RB 12/11/83~~

3 NONCONFORMANCE
ITEM 1: CONTRARY TO THE ABOVE REQUIREMENT, THE CRIMPED WIRE IS DOWNWARD - (WHITE (+) CONDUCTOR)
ITEM 2: CONTRARY TO THE ABOVE REQUIREMENT MARKEL SLEEVE IS FRAYED AT TAPED.
ITEM 3: ~~CONTRARY TO THE ABOVE REQUIREMENT PREPARATION OF SHIELDED CABLE WAS NOT WITNESSED BY G.E. 6RB 12/16/83~~
14 NCR ORIGINATED BY (PERSON)
P. R. Brodie 10/5/83
15 NCR ORIGINATED BY (DISCIPLINE)
MPBAD- QC ELECT.

20 NUMBER OF HOLD TAGS (IF APPLIED) 2
21 LOCATION OF HOLD TAGS EL. 659' AUX BLDG. 10'E/8.6 & J LINE 7'6" N/B4. BOTH ENDS OF CABLE 2C166 & 2LT1727.

22 POTENTIAL 50.55(e) YES NO
24 ACTION ITEM NO. S03374
26 ITEM PRIORITY CODE NO. 5
28 NCR REVIEWED BY: [Signature]

23 REPORTED TO MPOA MANAGER DATE N/A
25 DISCIPLINE: E
27 TRENCH CODE B-3
DATE: 10-5-83

Block 31A: Additional Information

Item 1: Rework

Determ Cable. 2AT 002A at both ends
and turn lugs so that the indent at
is facing out. Reterm Cable.

Item 2 & 3:

This is not a non-conforming condition.
At time work was accomplished there
was no requirement for taping the
insulating sleeve on the drain wire.
Work was completed by Construction
November of 1982. CWR 2RLC-E-1
was signed off January 23, 1983 as
Construction Complete. Rev 7 of
FSK-EG-1 (D) which requires the tap
to be used states:

"NO RETROFIT REQUIRED"

J. Wayne Hlocumb-11
Raymond J. Miller

BLOCK 12 AND 13: EXPLANATION OF DELETING OF ITEM 3 IN BLOCK 12 AND 13:

TAPING OF MARKEL INSULATING SLEEVE WAS NOT DONE BY C
STRUCTION ENABLING Q.C. INSPECTION OF THIS HOLD POINT ACTIVITY.
ITEM 3 WRITTEN IN ERROR. G.R.B. 12-16-83



**Consumers
Power
Company**

Dean L. Quamme
Site Manager
Midland Project

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

December 22, 1983

Mr. S W Baranow
Stone & Webster
P O Box 1963
Midland, MI 48640

PRINCIPAL STAFF			
✓ RA		DPRP	
D/RA		DE	
A/RA		DRMSP	
✓ RC		DRMA	
PAO		SCS	
SGA		ML	
ENF		File	

orig + 3

MIDLAND ENERGY CENTER
FCR/FCN STOP WORK ORDERS

File: B1.1.1.7, 0460.3 UFI: 99*08, 73* Serial: CSM-0710

Per discussion on December 21, 1983, we will provide a schedule of activities that can be audited by Stone & Webster with respect to lifting the recent FCR/FCN Stop Work Orders. This letter presents a schedule of activities for the Civil discipline and is provided for your initial planning information. It is our intent to examine other disciplines and provide you with a clear definition of packages and schedule for audit by December 30, 1983.

There will be no change to the present Phase I and Phase II review and audit process. Audits for Phase III will be performed to packages designed for release of work activities. A package will consist of specified document control stations and specified drawings and specifications within a single technical discipline. Packages will not be turned over to Stone & Webster until a package has completed audits by MPQAD. Stone & Webster will be notified in writing when each package is ready for audit.

Norm Reichel will be the single point contact for coordination of the schedule for Stone & Webster work.

At the present time, Phase I and Phase II for Electrical, Instrumentation and Mechanical have been reviewed by MPQAD and are available for Stone & Webster to audit or review. In the combined areas, there is an identified small population of resolution sheets in the process of finalization review.

As noted earlier, schedule information for the Civil Phase III is included for your planning. The Phase III review for the Civil discipline includes all drawings and specifications including FSK and vendor documents. The audit and release of stations for civil documents has been divided into two packages as follows:

a) Package necessary to release Soils Underpinning Work:

1. Stations: 8, 10, 13, 24 and 64 to include U S Testing, including all Civil drawings and specifications, FSK and vendor documents on those stations.

DEC 30 1983

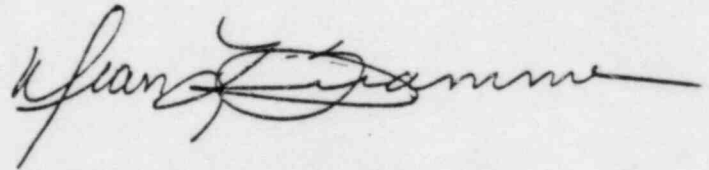
840105034

2. Mechanical and Electrical Drawings used for reference in drill and excavation permits will be audited only to verify there are no outstanding or unresolved resolution sheets against the document. (Reference list attached) No Mechanical or Electrical work will be performed to these documents until cleared through respective discipline document control audits.

The package described above will be available for Stone & Webster audit on December 27, 1983.

- b) All other stations with Civil documents will be audited as a separate package. These stations will be available for Stone & Webster audit on December 28, 1983.

If you have any questions regarding the contents of the above, please do not hesitate to contact me directly.



J J Harrison, NRC Region III
R J Cook, NRC Site
J G Keppler, NRC Region III
N I Reichel, MEC
B H Peck, MEC
D D Johnson, MEC

List of Reference Drawings For Underground Utilities

Electrical

→ E-500, Sheet 2A
→ E-500, Sheet 2B
→ E-500, Sheet 2C
→ E-500, Sheet 2D
→ E-500, Sheet 2E
→ E-500, Sheet 3A
→ E-500, Sheet 3B
→ E-500, Sheet 3C
→ E-500, Sheet 4A
→ E-500, Sheet 4B
→ E-500, Sheet 4C
→ E-500, Sheet 4D
→ E-500, Sheet 5A
→ E-500, Sheet 5B
→ E-500, Sheet 5C
→ E-500, Sheet 5D
→ E-500, Sheet 5E
→ E-500, Sheet 12
→ E-501, Sheet 1
→ E-501, Sheet 2
→ E-502, Sheet 1
→ E-504, Sheet 1
E-505, Sheet 1 ✓
E-506, Sheet 1 ✓
E-508
E-509, Sheet 1 ✓
E-510, Sheet 1 ✓
→ E-511
→ E-512, Sheet 1
→ E-513, Sheet 1
→ E-520
→ E-521, Sheet 1
E-522, Sheet 1A ✓
E-522, Sheet 1B
E-522, Sheet 1C
E-522, Sheet 1D
E-522, Sheet 2A
E-522, Sheet 2B
E-522, Sheet 2C
E-522, Sheet 3
C-1430-3 ✓

List of Reference Drawings For Underground Utilities


Electrical

- E-523, Sheet 1
- E-523, Sheet 3
- E-526, Sheet 1 ✓
- E-526, Sheet 2 ✓
- E-526, Sheet 3 ✓
- E-526, Sheet 4 ✓
- E-57, Sheet 5 ✓
- E-526, Sheet 6 ✓
- E-526, Sheet 7 ✓
- E-527, Sheet 1 ✓
- E-527, Sheet 2 ✓
- E-528, Sheet 3 ✓
- E-529, Sheet 1 ✓
- E-529, Sheet 2 ✓
- E-530, Sheet 1 ✓
- E-530, Sheet 2 ✓
- E-531, Sheet 1A ✓
- E-531, Sheet 1B ✓
- E-531, Sheet 1C ✓
- E-531, Sheet 1D ✓
- E-531, Sheet 2 ✓
- E-532, Sheet 1 ✓
- E-543, Sheet 1 ✓
- E-547, Sheet 1 ✓
- E-594, Sheet 1 ✓
- E-595, Sheet 1 ✓
- E-596, Sheet 1 ✓
- E-600, Sheet 1 ✓
- E-601, Sheet 1 ✓
- E-698, Sheet 1 ✓
- E-698, Sheet 2 ✓
- E-698, Sheet 3 ✓
- E-698, Sheet 4 ✓
- E-699, Sheet 1 ✓
- E-699, Sheet 2 ✓
- FSK-EY-3 ✓
- FSK-EY-9 ✓
- FSK-EY-17 ✓
- FSK-EY-36, Sheet 1 ✓
- FSK-EY-38, Sheet 1 ✓
- FSK-EY-45 ✓



List of Reference Drawings For Underground Utilities

Electrical

- 
- FSK-EY-64
 - FSK-EY-66
 - FSK-EY-69, Sheet 1
 - FSK-EY-69, Sheet 2
 - FSK-EY-74
 - FSK-EY-79
 - FSK-EY-93
 - FSK-EY-94
 - FSK-EY-104
 - FSK-EY-106
 - FSK-EY-108
 - FSK-EY-111
 - FSK-EY-150, Sheet 1
 - FSK-EY-150, Sheet 2
 - FSK-EY-151, Sheet 1
 - FSK-EY-151, Sheet 2
 - FSK-EY-151, Sheet 3
 - FSK-EY-151, Sheet 4
 - FSK-EY-152
 - FSK-EY-153
 - FSK-EY-154
 - FSK-EY-155
 - FSK-EY-156
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 - FSK-EY-162
 - FSK-EY-163
 - FSK-EY-164
 - FSK-EY-165
 - FSK-EY-166
 - FSK-EY-167
 - FSK-EY-168
 - FSK-EY-169
 - FSK-EY-170
 - FSK-EY-171
 - FSK-EY-172
 - FSK-ET-2-4

List of Reference Drawings For Underground Utilities


Mechanical

- M-58, Sheet 1
- M-58, Sheet 2
- M-152
- M-165
- M-166 ✓
- M-167 ✓
- M-168
- M-169 ✓
- M-170, Sheet 1
- M-170, Sheet 2
- M-607, Sheet 16
- M-612, Sheet 7 ✓
- M-612, Sheet 8 ✓
- M-613, Sheet 7
- M-613, Sheet 8 ✓
- M-649, Sheet 1
- M-649, Sheet 2
- M-649, Sheet 3
- M-665, Sheet 1
- FSK-MPY-16, Sheet 1
- FSK-MPY-16, Sheet 2
- FSK-MPY-18
- FSK-MPY-24
- FSK-MPY-29
- FSK-MPY-32
- FSK-MPY-33
- FSK-MPY-44
- FSK-MPY-45
- FSK-MPY-46
- FSK-MPY-72
- FSK-MPY-98
- FSK-MPY-108
- FSK-MPY-165
- FSK-MPY-166
- FSK-MPY-167
- FSK-MPY-168
- FSK-MPY-170
- FSK-MPT-1-1
- FSK-MPT-1-2, Sheet 1
- FSK-MPT-1-2, Sheet 2
- FSK-MPT-1-2, Sheet 3
- FSK-MPT-1-2, Sheet 4
- FSK-MPY-179



List of Reference Drawings For Underground Utilities

Mechanical

- 
- FSK-MPT-1-35
 - FSK-MPT-2-1
 - FSK-MPT-2-2
 - FSK-MPT-2-4
 - FSK-MPT-2-44, Sheet 1
 - FSK-MPT-2-44, Sheet 2
 - FSK-SP-561, Sheet 3
 - FSK-M-OCCC-1-1
 - FSK-M-OJBD-217-1
 - FSK-M-1CCB-45-4
 - FSK-M-1HBC-3-2
 - FSK-M-1HBC-3-3
 - FSK-M-1HBC-3-4
 - FSK-M-1HBC-4-1
 - FSK-M-1HBC-4-2
 - FSK-M-1HBC-4-3
 - FSK-M-1HBC-4-4
 - FSK-M-1HBC-4-5
 - FSK-M-1HBC-497-1
 - FSK-M-1HBC-497-2
 - FSK-M-1HBC-497-3
 - FSK-M-1HBC-498-1
 - FSK-M-1HBC-498-2
 - FSK-M-1HBC-498-3
 - FSK-M-1HBC-498-6
 - FSK-M-2HBC-3-1
 - FSK-M-2HBC-3-2
 - FSK-M-2HBC-3-3
 - FSK-M-2HBC-3-4
 - FSK-M-2HBC-4-1
 - FSK-M-2HBC-4-2
 - FSK-M-2HBC-4-3
 - FSK-M-2HBC-4-4
 - FSK-M-2HBC-497-1
 - FSK-M-2HBC-497-3
 - FSK-M-2HBC-498-1
 - FSK-M-2HBC-498-2
 - FSK-M-2HBC-498-3
 - FSK-M-2CCB-45-4
 - FSK-M-OGRD-554-2



Stone & Webster
Engineering Corporation

Dean L. Quamme
Site Manager
Midland Project

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

December 30, 1983

PRINCIPAL STAFF			
✓ RA	<i>DLQ</i>	DFRP	
D/RA		DE	
A/RA		DRMSP	
✓ RC	<i>DLQ</i>	DRMA	
PAO		SCS	<i>orig + 3</i>
SGA		ML	
ENR		File	<i>DLQ</i>

Mr S W Baranow
Stone & Webster Michigan, Inc
P O Box 1963
Midland, MI 48640

MIDLAND ENERGY CENTER
FCR/FCN SOILS STOP WORK ORDERS
File: B1.1.7, 0460.3 UFI: 99*08, 73* Serial: CSM-0717

With respect to Part 2 of the Soils Underpinning Work Package in our letter of December 22, 1983, Serial CSM-0710, the mechanical and electrical drawings used as location references for drill and excavation permits will be reviewed differently than described in the letter. Since the mechanical drawing register is not complete, the drawing review proposed cannot be performed at this time.

Until all the drawings referenced in the letter are cleared by the register, each drawing used for a specific drill or excavation permit will be reviewed by field engineering as to suitability for use as a reference for location of buried and embedded utilities. The adequacy of this drawing review process will be overviewed and approved by MPQAD Soils. The Stone & Webster independent assessment team for Soils has reviewed the proposed review process and has agreed to provide an assessment to determine the adequacy of the drawing review process as it relates to the use of these drawings for use as location references for excavation and drill permits.

DL Quamme for DL Quamme

DLQ/JKM/kp

- cc: JHarrison, NRC Region III
- JGKepler, NRC Region III
- RJCook, NRC Site
- BHPeck, MEC
- RAWells, MPQAD
- NIRichel, MEC
- DDJohnson, MEC
- JKMeisenheimer, QA

~~8401100357~~

JAN 6 1984

STONE AND WEBSTER MICHIGAN, INC.
P.O. BOX 1963, MIDLAND, MICHIGAN 48640

PRINCIPAL		STAFF	

sheet 3

DATE	1/10/84
J. O. NO.	14509
P. O. NO.	N/A
LTR. NO.	SWOC - 84-004
REF.	N/A

VIA

TO D. L. QUAMME, CPCo Midland (site)

DEAR SIR:

THE FOLLOWING ARE ATTACHED: SENT SEPARATELY:

COPIES	PRINTS	REPRODUCIBLES	MICROFILM APERTURE CARD
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

STATUS		PLEASE NOTE	SENT FOR YOUR	
<input type="checkbox"/> FINAL	<input type="checkbox"/> APPROVED	<input type="checkbox"/> REVISIONS	<input type="checkbox"/> APPROVAL	<input type="checkbox"/> COMMENT
<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> APPROVED AS REVISED AS DEFINED IN SPECIFICATION	<input type="checkbox"/> ADDITIONS	<input type="checkbox"/> USE	<input type="checkbox"/> INFORMATION
<input type="checkbox"/> NO COMMENT	<input type="checkbox"/> UNACCEPTABLE	<input type="checkbox"/> COMMENTS	<input type="checkbox"/> FILES	<input type="checkbox"/> CONCURRENCE
<input type="checkbox"/> SUGGESTIONS AS NOTED	<input checked="" type="checkbox"/> OPEN		<input checked="" type="checkbox"/> ACTION	

YOUR ATTENTION IS DIRECTED TO THE FOLLOWING:

RELEASED FOR: FABRICATION PURCHASE OF NECESSARY MATERIALS

PLEASE REVISE AND SUBMIT _____ PRINTS _____ REPRODUCIBLES _____ MICROFILM APERTURE CARDS.

PLEASE SUBMIT _____ PRINTS _____ REPRODUCIBLES _____ MICROFILM APERTURE CARDS OF DOCUMENTS DRAWINGS SHOP DATA

PLEASE RETURN ONE COPY EACH OF THIS MATERIAL BEARING YOUR APPROVAL OR COMMENTS.

PLEASE ACKNOWLEDGE RECEIPT OF THIS MATERIAL BY SIGNING AND RETURNING THE ENCLOSED COPY OF THIS FORM.

WE TRUST THAT THESE NOTES ARE IN ACCORDANCE WITH YOUR UNDERSTANDING. IF NOT, PLEASE ADVISE US.

IMPORTANT SHOULD ANY REVISION TO DOCUMENTS OR DRAWINGS RETURNED HEREWITH INVOLVE A PRICE INCREASE THE SUPPLIER MUST NOTIFY STONE AND WEBSTER PURCHASING DEPARTMENT WITHIN TEN (10) DAYS EVEN THOUGH A DEFINITE ESTIMATE CANNOT BE GIVEN AT THE TIME OTHERWISE THE PURCHASER WILL CONSIDER THE REVISIONS MADE WITHOUT COST.

The following Open CIO Item/Hold Point Notification(s) is (are) attached for your action/information:

- Hold Point 012 _____
- Hold Point 013 _____
- Hold Point 014 _____

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

cc: JGKepler, US NRC
JJHarrison, US NRC
RJCook, US NRC
RAWells, CPCo
CIO Site File

JAN 13 1984

STONE & WEBSTER CONSTRUCTION IMPLEMENTATION OVERVIEW MIDLAND NUCLEAR PLANT J.O. NO. 14509		ITEM NUMBER <input type="checkbox"/> TRACKED ACTION ITEM <input type="checkbox"/> TRACKED INFORMATION ITEM <input type="checkbox"/> TRACKED RECOMMENDATION ITEM <input type="checkbox"/> UNTRACKED ITEM <input checked="" type="checkbox"/> HOLD POINT NOTIFICATION	HOLD POINT NUMBER 012
REFERENCE(S) CPCo Letter, File B1.1.1.7, Serial CSM-0710, FCR/FCN Stop Work Orders, 12/22/83			
CONDITION DETAILS This Report provides notification of the establishment of a CIO Hold Point at the conclusion of CPCo activities for Phase III Resolution of FCR/FCNs. Hold Point: Prior to issue of documentation lifting the CPCo Stop Work Order related to <u>civil discipline - Soils (Stations 8, 10, 13, 24 and 64)</u> . Using the response section below, CPCo should notify the CIO when the documentation necessary to lift the Stop Work has been prepared, but prior to its issue. CIO will then perform its evaluation and notify CPCo when this Hold Point is lifted by signing in the "Response Verified/Closed" block below and returning the completed report to CPCo.			
		<input type="checkbox"/> YES (PAGE NO.'S) <input checked="" type="checkbox"/> NO	
ATTACHMENTS			
DATE RESPONSE REQ'D. Prior to lifting Stop Work	INITIATOR/DATE <i>Flan</i> 1-10-84	INITIATION APPROVED/DATE <i>JK</i> 1-10-84	
RESPONSE			
		<input type="checkbox"/> YES (PAGE NO.'S) <input type="checkbox"/> NO	
ATTACHMENTS			
EST. CORRECTIVE ACTION COMPLETION DATE	RESPONDENT	TITLE	DATE
RESPONSE ACCEPTED	DATE	RESPONSE VERIFIED/CLOSED	DATE

STONE & WEBSTER CONSTRUCTION IMPLEMENTATION OVERVIEW MIDLAND NUCLEAR PLANT J.O. NO. 14509	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%;">ITEM NUMBER</td> <td>HOLD POINT NUMBER 013</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> TRACKED ACTION ITEM</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> TRACKED INFORMATION ITEM</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> TRACKED RECOMMENDATION ITEM</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> UNTRACKED ITEM</td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> HOLD POINT NOTIFICATION</td> </tr> </table>	ITEM NUMBER	HOLD POINT NUMBER 013	<input type="checkbox"/> TRACKED ACTION ITEM		<input type="checkbox"/> TRACKED INFORMATION ITEM		<input type="checkbox"/> TRACKED RECOMMENDATION ITEM		<input type="checkbox"/> UNTRACKED ITEM		<input checked="" type="checkbox"/> HOLD POINT NOTIFICATION	
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<input type="checkbox"/> UNTRACKED ITEM													
<input checked="" type="checkbox"/> HOLD POINT NOTIFICATION													
REFERENCE(S) CPCo Letter, File B1.1.1.7, Serial CSM-0710, FCR/FCN Stop Work Orders, 12-22-83													

CONDITION DETAILS This Report provides notification of the establishment of a CIO Hold Point at the conclusion of CPCo activities for Phase III Resolution of FCR/FCNs.

Hold Point: Prior to issue of documentation lifting the CPCo Stop Work Order related to civil discipline (other than Stations 8, 10, 13, 24 and 64).

Using the response section below, CPCo should notify CIO when the documentation necessary to lift the Stop Work identified above has been prepared, but prior to its issue. CIO will then perform its evaluation and notify CPCo when this Hold Point is lifted by signing in the "Response Verified/Closed" block below and returning the completed form to CPCo.

YES (PAGE NO. '83) NO

ATTACHMENTS

DATE RESPONSE REQ'D. Prior to lifting Stop Work	INITIATOR/DATE <i>J. E. Law</i> 1-10-84	INITIATION APPROVED/DATE <i>J. E. Law</i> 1-10-84
--	--	--

RESPONSE

YES (PAGE NO. '83) NO

ATTACHMENTS

EST. CORRECTIVE ACTION COMPLETION DATE	RESPONDENT	TITLE	DATE
RESPONSE ACCEPTED	DATE	RESPONSE VERIFIED/CLOSED	DATE

STONE & WEBSTER CONSTRUCTION IMPLEMENTATION OVERVIEW MIDLAND NUCLEAR PLANT J.O. NO. 14509	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">ITEM NUMBER</td> <td>HOLD POINT NUMBER</td> </tr> <tr> <td></td> <td style="text-align: center;">014</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> TRACKED ACTION ITEM</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> TRACKED INFORMATION ITEM</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> TRACKED RECOMMENDATION ITEM</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> UNTRACKED ITEM</td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> HOLD POINT NOTIFICATION</td> </tr> </table>	ITEM NUMBER	HOLD POINT NUMBER		014	<input type="checkbox"/> TRACKED ACTION ITEM		<input type="checkbox"/> TRACKED INFORMATION ITEM		<input type="checkbox"/> TRACKED RECOMMENDATION ITEM		<input type="checkbox"/> UNTRACKED ITEM		<input checked="" type="checkbox"/> HOLD POINT NOTIFICATION	
ITEM NUMBER	HOLD POINT NUMBER														
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<input type="checkbox"/> UNTRACKED ITEM															
<input checked="" type="checkbox"/> HOLD POINT NOTIFICATION															
REFERENCE(S) CPCo Letter File B.1.1.1.7, Serial CSM-0713, FCR/FCN Stop Work Orders, 12/22/83															

CONDITION DETAILS This Report provides notification of the establishment of a CIO Hold Point at the conclusion of CPCo activities for Phase III Resolution of FCR/FCNs.

Hold Point: Prior to issue of documentation lifting the CPCo Stop Work Order related to architectural discipline (other than Stations 14, 55, 48A, 48B and 48D).

Using the response section below, CPCo should notify CIO when the documentation necessary to lift the Stop Work has been prepared, but prior to its issue. CIO will then perform its evaluation and notify CPCo when this Hold Point is lifted by signing in the "Response Verified/Closed" block below and returning the completed report to CPCo.

YES (PAGE NO.'S) NO

ATTACHMENTS

DATE RESPONSE REQ'D.	INITIATOR/DATE	INITIATION APPROVED/DATE
Prior to lifting Stop Work	<i>J. E. Lan</i> 1-10-84	<i>J. E. Lan</i> 1-10-84

RESPONSE

YES (PAGE NO.'S) NO

ATTACHMENTS

EST. CORRECTIVE ACTION COMPLETION DATE	RESPONDENT	TITLE	DATE
RESPONSE ACCEPTED	DATE	RESPONSE VERIFIED/CLOSED	DATE

PRINCIPAL		STAFF	
		DPRP	
		DE	

page 3

STONE AND WEBSTER MICHIGAN, INC.
P.O. BOX 1963, MIDLAND, MICHIGAN 48640

DATE	1/10/84
J. O. NO.	14509
P. O. NO.	N/A
LTR. NO.	SWOC-84-003
REF.	N/A

VIA

TO D. L. QUAMME, COCo Midland (site)

DEAR SIR:

THE FOLLOWING ARE ATTACHED SENT SEPARATELY:

<input type="checkbox"/> COPIES	<input type="checkbox"/> PRINTS	<input type="checkbox"/> REPRODUCIBLES	<input type="checkbox"/> MICROFILM APERTURE CARDS
EACH OF			
<input type="checkbox"/> DRAWINGS	<input type="checkbox"/> DOCUMENTS	<input type="checkbox"/> SPECIFICATIONS	<input type="checkbox"/> NOTES OF CONFERENCE

STATUS		PLEASE NOTE	SENT FOR YOUR	
<input type="checkbox"/> FINAL	<input checked="" type="checkbox"/> APPROVED	<input type="checkbox"/> REVISIONS	<input type="checkbox"/> APPROVAL	<input type="checkbox"/> COMMENT
<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> APPROVED AS REVISED AS DEFINED IN SPECIFICATION	<input type="checkbox"/> ADDITIONS	<input type="checkbox"/> USE	<input type="checkbox"/> INFORMATION
<input type="checkbox"/> NO COMMENT	<input type="checkbox"/> UNACCEPTABLE	<input type="checkbox"/> COMMENTS	<input checked="" type="checkbox"/> FILES	<input type="checkbox"/> CONCURRENCE
<input type="checkbox"/> SUGGESTIONS AS NOTED	<input checked="" type="checkbox"/> CLOSED		<input type="checkbox"/>	

YOUR ATTENTION IS DIRECTED TO THE FOLLOWING:

RELEASED FOR: FABRICATION PURCHASE OF NECESSARY MATERIALS

PLEASE REVISE AND SUBMIT PRINTS REPRODUCIBLES MICROFILM APERTURE CARDS.

PLEASE SUBMIT PRINTS REPRODUCIBLES MICROFILM APERTURE CARDS OF DOCUMENTS DRAWINGS SHOP DETAIL.

PLEASE RETURN ONE COPY EACH OF THIS MATERIAL BEARING YOUR APPROVAL OR COMMENTS.

PLEASE ACKNOWLEDGE RECEIPT OF THIS MATERIAL BY SIGNING AND RETURNING THE ENCLOSED COPY OF THIS FORM.

WE TRUST THAT THESE NOTES ARE IN ACCORDANCE WITH YOUR UNDERSTANDING. IF NOT, PLEASE ADVISE US.

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The following closed CIO NIR(s) is (are) forwarded for your information:

0/0 _____

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

cc: JGKepler, US NRC
JJHarrison, US NRC
RJCook, US NRC
RAWells, CPCo
CIO Site File

STONE AND WEBSTER ENGINEERING CORPORATION
NONCONFORMANCE IDENTIFICATION REPORT

QCI 15.01
Attachment 4.1
Revision 2

DATE OF NONCONFORMANCE: December 14, 1983 NIR NUMBER 010

IDENTIFICATION/LOCATION OF ITEMS:
Civil Review Phase II FCR/FCN/Midland-CIO Office

DESCRIPTION OF NONCONFORMANCE:
The FCR/FCN C-1526 did not indicate which drawings, whether it be C-358, C-479 or both, were affected by this change. Subsequent resolution sheets did not clarify this situation. Due to these facts CIO concludes that a potential exists for FCR C-1526 to be misapplied to the drawings.

INITIATOR Richard Scallan PROGRAM MGR S. Barzani / M. Thompson
DATE 12-14-83 DATE 12/20/83

CORRECTIVE ACTION BY: MPQAD - Field Engineer
IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

The Project Engineer has issued an additional FCR Resolution Sheet, approved by MPQAD dated December 15, 1983, to clarify the above nonconformance.
This NIR is closed (see attachments).

VERIFICATION <u>SAT</u> UNSAT	NEW NIR# <u>N/A</u>	CONCURRENCE
INITIATOR <u>Richard Scallan</u>	DATE	PROGRAM MGR <u>M. Thompson</u>
DATE <u>12/19/83</u>		DATE <u>12/21/83</u>

REMARKS: This NIR was generated while the work was in progress.

FCR RESOLUTION SHEET

1/3

AREA BOP

FCR C-1526

PROBLEM: TO FURTHER CLARIFY C/A BLOCK FOR SHEET 3

POTENTIAL IMPACT STATEMENT (Q YES/NO) NO IMPACT, SEE SHEET 3

CORRECTIVE ACTION:

NONE

CORRECT DISTRIBUTION

INITIATE CORRECT FCR

PLACE FCR ON HOLD

WRITE NCR

INVESTIGATE FURTHER

FCR C-1526 WAS PROPERLY APPLIED TO DWG. C-4791C SINCE THIS CHANGE AFFECTS THIS DWG. FCR SHOULD REMAIN ATTACHED TO DWG C-4791C UNTIL INCORPORATION OF THIS CHANGE IS PERFORMED.

RE CONTACT (IF QUESTIONABLE) _____

PREPARED BY: Michael T. Reinhard 1/2/14/2014
DATE

REVIEWED BY: R. S. [Signature] 1/14/2014
DATE

MPGAD Accept of Proposed C/A By [Signature] Date 1-15-14

CORRECTIVE ACTION COMPLETE

DATE

VERIFY BY

FCR RESOLUTION SHEET

2/3

AREA BOP

FCR C-1526

PROBLEM: Project Engineering's remarks do not address any (DWG)/SPEC. C-358(2).

POTENTIAL IMPACT STATEMENT (YES/ NO) None. This change was a one-time deviation to the
(DWG)/SPEC and is a unique installation. All (DWG)/SPEC referenced did not require revision
and the change was not misapplied to these (DWG)/SPEC. C-358(2). MAS 12/5/83

CORRECTIVE ACTION:

- NONE
- CORRECT DISTRIBUTION
- INITIATE CORRECT FCR
- PLACE FCR ON HOLD
- WRITE NCR
- INVESTIGATE FURTHER

The FCR is incorporated
into the referenced drawing.
as noted on back side of
FCR. ^{REV 12/5/83} PER Dwg INVESTIGATION
REV 3, 11/3/80 MAS 12/5/83
CHECK INCORPORATION OF CHANGE, WHICH
WAS? PER 11/4/83 ORC 11/5/83.

RE CONTACT (IF QUESTIONABLE)

MPQAD Account of Proposed C/A By [Signature] Date 12/6/83

PREPARED BY: Deeg Aunder 11/3/83 FE
DATE

REVIEWED BY: R. Karsel 11/3/83 LEAD
DATE

D. Berkman 11/7/83

CORRECTIVE ACTION COMPLETE

TK DATE

VERIFIED BY

FCR RESOLUTION/WORKS

of Proposed C/A By [Signature] Date 11/6/83

FCR RESOLUTION SHEET

3/3

AREA BOP

FCR C-1526

PROBLEM: (MIS) OTHER (DWG) / SPEC. AFFECTED C-479(D)
 WAS NOT ADDRESSED IN PROJECT ENGINEERING'S REMARKS

POTENTIAL IMPACT STATEMENT (YES/NO) (DWG) / SPEC. C-479(D)
 AFFECTED BY CHANGE. CHANGE WAS NOT GENERIC
 AND WAS ~~FOR~~ ^{FOR 115/83} FOR A UNIQUE INSTALLATION, AND
 DID NOT REQUIRE A CHANGE TO ALL THE AFFECTED
 SPEC. (DWGS) IN ORDER TO PERFORM WORK IN
 ACCORDANCE WITH THE CHANGE.

MIS 12/1/83
 NOT

CORRECTIVE ACTION:

- NONE
- CORRECT DISTRIBUTION
- INITIATE CORRECTIVE ACTION SEE SHRT
- PLACE FOR ON HOLD
- WITH FOR
- INVESTIGATE FURTHER

~~REMOVE FCR FROM THE REFERENCED DRAWING.~~
 PER DWG. REVIEW, FCR SHOULD HAVE BEEN APPLIED
 AND THEREFORE WAS NOT MISAPPLIED TO DWG.
C-479(D). NO FURTHER ACTION REQ. OFR 115/83
~~NO LONGER APPLICABLE~~ MIS 12/5/87
 CHECK IN/RESOLUTION OF CHANGE, WHICH
 DWG. ? OFR 115/83 OFR 115/83

SEE SHRT 1/3
 OFR 12/14/83
 MIS 12/14/83

IF CONTACT (IF QUESTIONABLE)

MPOAD Accept of Proposed C/A By [Signature] Date 12/6/83

PREPARED BY: Dea Under 11/3/83

REVIEWED BY: P. Cavallo 11/3/83

D. [Signature] 11/1/83

Composite Register Update
 CORRECTIVE ACTION COMPLETE
 TR. _____ DATE _____
 VERIFIED BY _____

MPOAD Accept of Proposed C/A By [Signature] Date 12/1/83

MPOAD Accept of Proposed C/A By [Signature] Date 11/1/83



FIELD CHANGE REQUEST/FIELD CHANGE NOTICE

FCR NO. C-1526 FCM NO.

JOB NO. 7220	DRAWING OR SPECIFICATION NO. C-358 - 0	SHEET NO. N/A	REV. SYM. 1	Q. ITEM YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	TITLE OF DWG OR SPEC Reinforced Conc. at El. 659-0
-----------------	---	------------------	----------------	---	---

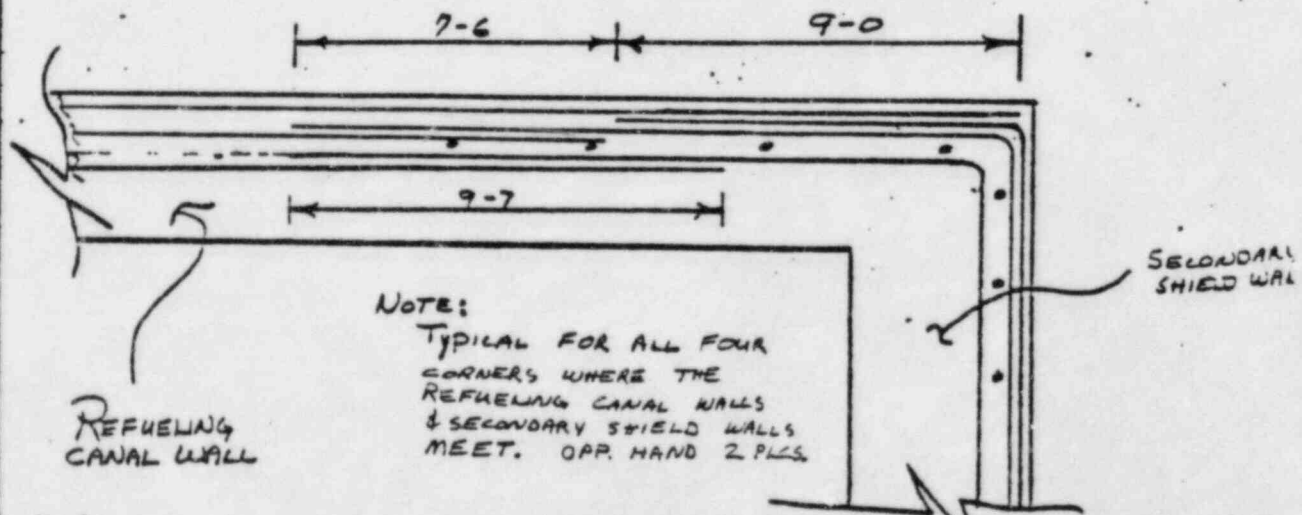
CHANGE PROPOSED FCR <input checked="" type="checkbox"/> FCN <input type="checkbox"/>	PREPARED BY AND DATE Paul C. Newander 4-19-78	CHANGE APPROVED YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	PFE SIGNATURE AND DATE W. T. [Signature] 4-20-78 A/B	DISPOSITION FCR REQUIRE BY DATE 4/26
---	--	--	--	---

REASON FOR CHANGE To facilitate construction. A construction opening is required in the north and south refueling canal walls to install the steam generators.

EXISTING CONDITION:
Dwgs. C-357 & C-358 show the #11 horizontals 1st and 3rd layer splicing at the center of the north and south refueling canal walls.

RECEIVED
MAY 18 1978
BECHTEL POWER CORP.
JOB 7220

DESCRIPTION OF CHANGE Field requests approval to install splice lengths as shown below:



REC'D 4-21-78
Interim Approval by the Resident Engineer R. Schulman REM C14 4-28-78

OTHER DWGS OR SPEC. AFFECTED	CIVIL C-479 REV 1	ELECTRICAL N/A	INSTRUMENTATION N/A	MECHANICAL N/A	PIPING N/A	WELDING OR OTHERS N/A
CHECKED BY FIELD LOG	[Signature]	↓	↓	↓	↓	↓
CHECKED BY PFE OR SUPV	[Signature]					

FCR APPROVED YES NO PROJECT ENGINEER SIGNATURE AND DATE
RLC/la 5-15-78

REMARKS The requested change is approved. **REVISED SECTION**

STONE AND WEBSTER MICHIGAN, INC.
 P.O. BOX 363, MIDLAND, MICHIGAN 48640

PRINCIPAL		FF
✓ CA	DRP	
D/RA	DE	
A/RA	DRMSP	
RC	DRMA	
PAO	SOS ✓	
	ML	
	File	

DATE	1/10/84
J. O. NO.	14509
P. O. NO.	N/A
LTR. NO.	SWOC 84-006
REF.	N/A

VIA

TO D. L. QUAMME, COCo Midland (site)

DEAR SIRs:

THE FOLLOWING ARE ATTACHED: SENT SEPARATELY:

COPIES	PRINTS	REPRODUCIBLES	MICROFILM APERTURE CARDS
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

STATUS		PLEASE NOTE	SENT FOR YOUR	
<input type="checkbox"/> FINAL	<input checked="" type="checkbox"/> APPROVED	<input type="checkbox"/> REVISIONS	<input type="checkbox"/> OMISSIONS	<input type="checkbox"/> APPROVAL <input type="checkbox"/> COMMENT
<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> APPROVED AS REVISED AS DEFINED IN SPECIFICATION	<input type="checkbox"/> ADDITIONS	<input type="checkbox"/> CORRECTIONS	<input type="checkbox"/> USE <input type="checkbox"/> INFORMATION
<input type="checkbox"/> NO COMMENT	<input type="checkbox"/> UNACCEPTABLE	<input type="checkbox"/> COMMENTS	<input type="checkbox"/>	<input checked="" type="checkbox"/> FILES <input type="checkbox"/> CONCURRENCE
<input type="checkbox"/> SUGGESTIONS AS NOTED	<input checked="" type="checkbox"/> CLOSED			<input type="checkbox"/>

YOUR ATTENTION IS DIRECTED TO THE FOLLOWING:

RELEASED FOR: FABRICATION PURCHASE OF NECESSARY MATERIALS

PLEASE REVISE AND SUBMIT _____ PRINTS _____ REPRODUCIBLES _____ MICROFILM APERTURE CARDS.

PLEASE SUBMIT _____ PRINTS _____ REPRODUCIBLES _____ MICROFILM APERTURE CARDS OF DOCUMENTS DRAWINGS SHOP DETAIL.

PLEASE RETURN ONE COPY EACH OF THIS MATERIAL BEARING YOUR APPROVAL OR COMMENTS.

PLEASE ACKNOWLEDGE RECEIPT OF THIS MATERIAL BY SIGNING AND RETURNING THE ENCLOSED COPY OF THIS FORM.

WE TRUST THAT THESE NOTES ARE IN ACCORDANCE WITH YOUR UNDERSTANDING. IF NOT, PLEASE ADVISE US.

IMPORTANT SHOULD ANY REVISION TO DOCUMENTS OR DRAWINGS RETURNED HERewith INVOLVE A PRICE INCREASE, THE SUPPLIER MUST NOTIFY STONE & WEBSTER PURCHASING DEPARTMENT WITHIN TEN (10) DAYS EVEN THOUGH A DEFINITE ESTIMATE CANNOT BE GIVEN AT THE TIME. OTHERWISE, THE PURCHASER WILL CONSIDER THE REVISIONS MADE WITHOUT COST.

The following closed CIO NIR(s) is (are) forwarded for your information:

009* _____

* This NIR is being redistributed to correct a typographical error.

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

cc: JGKeppler, US NRC
 JJHarrison, US NRC
 RJCook, US NRC
 RAWells, CPCo
 CIO Site File

JAN 13 1984

STONE AND WEBSTER ENGINEERING CORPORATION
NONCONFORMANCE IDENTIFICATION REPORT

QCI 15.01
Attachment 4.1
Revision 2

DATE OF NONCONFORMANCE: December 11, 1983		NIR NUMBER <u>009</u>	
IDENTIFICATION/LOCATION OF ITEMS: Support Services Building Q.C. Station #55			
<p>DESCRIPTION OF NONCONFORMANCE:</p> <p>A sample inspection was performed of controlled Architechural drawings at Q.C. Station No. 55. A sample size of 50 drawings representing a lot size of 224 drawings was selected. Accept/Reject criteria is; Accept 0 Reject 1. Drawing No. A-213 was missing from Station 55 control drawing sticks. As a result, the entire lot of the 224 drawings has been rejected.</p> <p>This NIR describes a deficiency against the Document Control Center. A check of the Control Card for drawing A-213 does not show any FCR/FCNs as being applicable.</p>			
<p><u>Richard Scallan</u> INITIATOR</p> <p>DATE <u>12/12/83</u></p>		<p>PROGRAM MGR <u>[Signature]</u></p> <p>DATE <u>Dec 12, 1983</u></p>	
CORRECTIVE ACTION BY: <u>MPQAD</u>			
IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION			
<p>Corrective action had been accomplished by MPQAD. CIO verified that the missing dwgs had been added to the controlled stick dwgs and performed a sample inspection of the drawings at this station. The review was considered to be satisfactory and acceptable in meeting the requirements of FID-2.400 Rev. 3, Review and Resolution Program. Corrective Action completed on December 12, 1983.</p>			
<p>VERIFICATION SAT <input checked="" type="checkbox"/> UNSAT</p> <p>INITIATOR <u>R. Scallan</u> ³⁵⁻¹⁰⁻⁹⁴</p> <p>DATE <u>12/13/83</u></p>		<p>NEW NIR# <u>N/A</u></p> <p>DATE</p>	
		<p style="text-align: center;">CONCURRENCE</p> <p>PROGRAM MGR <u>[Signature]</u></p> <p>DATE <u>December 13, 1983</u></p>	
REMARKS This NIR as issued is closed as corrcective action has been completed.			



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

PRINCIPAL STAFF	
<i>Jan</i>	OPRP
	DE
	IDR/MSF
	IDR/MA
	SCS <i>✓</i>
	ML
	File <i>Jan</i>

sig + 3

January 6, 1984

Mr. D. L. Quamme
Consumers Power Company
Midland Nuclear Plant
3500 E. Miller Road
Midland, Michigan 48640

Subject: Docket No. 50-329/330
Midland Plant - Units 1 and 2
Overview of the Construction
Completion Program
Serial No. SWMCP-007

This letter forwards, by enclosure, CIO Item number 038 for your attention.

You will note that we have revised our method of notifying you of CIO Items and Hold Points. In the future, each item or Hold Point will be identified on an individual document, similar to that attached, which provides space for CIO to inform you of a condition and for CPCo to document your response. This format should improve both of our abilities to track and control CIO requests and CPCo action relative to these requests as well as saving administrative time.

This particular Item is being forwarded by letter since it is the first time this format has been used. In the future we will revert to the process currently used for NIRs and use standard document transmittals to forward Items and Hold Point Notifications.

J. E. Karr
J. E. Karr

Enclosure
JEK/fs

cc:
JGKepler, US NRC Glen Ellyn, IL
JHarrison, US NRC Glen Ellyn, IL
RJCook, US NRC Midland (site)
RAWells, CPCo Midland (site)
RBKelly, S&W
APAmoruso, S&W

8401160036

JAN 11 1984

STONE & WEBSTER CONSTRUCTION IMPLEMENTATION OVERVIEW MIDLAND NUCLEAR PLANT J.O. NO. 14509		ITEM NUMBER 038	HOLD POINT NUMBER
REFERENCE(S) CIO Weekly Report Number 26		<input type="checkbox"/> TRACKED ACTION ITEM	
		<input checked="" type="checkbox"/> TRACKED INFORMATION ITEM	
		<input type="checkbox"/> TRACKED RECOMMENDATION ITEM	
		<input type="checkbox"/> UNTRACKED ITEM	
		<input type="checkbox"/> HOLD POINT NOTIFICATION	
CONDITION DETAILS <p>In reviewing a checklist developed by Bechtel Lead Field Engineers as an aid in conducting Status Assessments to Procedure FPM-7.000 Rev. 1 (Mechanical System Status and Completion), the CIO noted that the checklist does not include all of the attributes required by the procedure.</p> <p>If special checklists are to be used in statusing, these lists should be addressed by an administrative procedure that provides details on how the lists are to be prepared, used and controlled.</p> <p>CPCo is requested to provide CIO with the intended use of these checklists and the attendant control measures to be provided.</p>			
		<input type="checkbox"/> YES (PAGE NO.'S)	<input checked="" type="checkbox"/> NO
ATTACHMENTS			
DATE RESPONSE REQ'D. 1/16/84	INITIATOR/DATE <i>J. Flan</i> 1-6-84	INITIATION APPROVED/DATE <i>J. Flan</i> 1-6-84	
RESPONSE			
		<input type="checkbox"/> YES (PAGE NO.'S)	<input type="checkbox"/> NO
ATTACHMENTS			
EST. CORRECTIVE ACTION COMPLETION DATE	RESPONDENT	TITLE	DATE
RESPONSE ACCEPTED	DATE	RESPONSE VERIFIED/CLOSED	DATE

Q.D. NO.	14500
P.D. NO.	N/A
LTR. NO.	SWOC 84-002
REF.	N/A

VIA

TO D. L. QUAMME, CPCo Midland (site)

DEAR SIR:

THE FOLLOWING ARE ATTACHED SENT SEPARATELY:

<input type="checkbox"/> COPIES	<input type="checkbox"/> PRINTS	<input type="checkbox"/> REPRODUCIBLES	<input type="checkbox"/> MICROFILM APERTURE CARDS
EACH OF			
<input type="checkbox"/> DRAWINGS	<input type="checkbox"/> SPECIFICATIONS		
<input type="checkbox"/> DOCUMENTS	<input type="checkbox"/> NOTES OF CONFERENCE		

STATUS		PLEASE NOTE	SENT FOR YOUR	
<input type="checkbox"/> FINAL	<input type="checkbox"/> APPROVED	<input type="checkbox"/> REVISIONS	<input type="checkbox"/> OMISSIONS	<input type="checkbox"/> APPROVAL <input type="checkbox"/> COMMENT
<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> APPROVED AS REVISED AS DEFINED IN SPECIFICATION	<input type="checkbox"/> ADDITIONS	<input type="checkbox"/> CORRECTIONS	<input type="checkbox"/> USE <input type="checkbox"/> INFORMATION
<input type="checkbox"/> NO COMMENT	<input type="checkbox"/> UNACCEPTABLE	<input type="checkbox"/> COMMENTS	<input type="checkbox"/>	<input type="checkbox"/> FILES <input type="checkbox"/> CONCURRENCE
<input type="checkbox"/> SUGGESTIONS AS NOTED	<input checked="" type="checkbox"/> OPEN			<input checked="" type="checkbox"/> ACTION

YOUR ATTENTION IS DIRECTED TO THE FOLLOWING:

RELEASED FOR: FABRICATION PURCHASE OF NECESSARY MATERIALS

PLEASE REVISE AND SUBMIT _____ PRINTS _____ REPRODUCIBLES _____ MICROFILM APERTURE CARDS

PLEASE SUBMIT _____ PRINTS _____ REPRODUCIBLES _____ MICROFILM APERTURE CARDS OF DOCUMENTS DRAWINGS SHOP DATA

PLEASE RETURN ONE COPY EACH OF THIS MATERIAL BEARING YOUR APPROVAL OR COMMENTS.

PLEASE ACKNOWLEDGE RECEIPT OF THIS MATERIAL BY SIGNING AND RETURNING THE ENCLOSED COPY OF THIS FORM

WE TRUST THAT THESE NOTES ARE IN ACCORDANCE WITH YOUR UNDERSTANDING. IF NOT, PLEASE ADVISE US

IMPORTANT: SHOULD ANY REVISION TO DOCUMENTS OR DRAWINGS RETURNED HERewith INVOLVE A PRICE INCREASE THE SUPPLIER MUST NOTIFY STONE AND WELTER PURCHASING DEPARTMENT WITHIN TEN (10) DAYS EVEN THOUGH A DEFINITE ESTIMATE CANNOT BE GIVEN AT THE TIME OTHERWISE THE PURCHASER WILL CONSIDER THE REVISIONS MADE WITHOUT COST.

The following Open Hold Point Notification(s) is (are) attached for your action/information:

- Item 041
- Item 042
- Item 043

S. W. Bargnow
S. W. Bargnow
Program Manager

cc: JGKeppler, US NRC
JHarrison, US NRC
TJCook, US NRC
RAWells, CPCo
CIO Site File

8401160096

STONE & WEBSTER CONSTRUCTION IMPLEMENTATION OVERVIEW MIDLAND NUCLEAR PLANT J.O. NO. 14509		ITEM NUMBER 041	HOLD POINT NUMBER
REFERENCE(S) BPCo Letter of December 26, 1983, Serial #000-8852, Emergency Diesel Generator, Transamerica Delaval, Inc., Request for Resumption of Installation.		<input type="checkbox"/> TRACKED ACTION ITEM	
		<input checked="" type="checkbox"/> TRACKED INFORMATION ITEM	
		<input type="checkbox"/> TRACKED RECOMMENDATION ITEM	
		<input type="checkbox"/> UNTRACKED ITEM	
		<input type="checkbox"/> HOLD POINT NOTIFICATION	
CONDITION DETAILS The referenced letter indicates that BPCo is preparing for resumption of installation work on the emergency diesel generators. BPCo Material Requisition 7220-M-18 (Q) requires that the emergency diesel generators be furnished in accordance with several listed BPCo specifications and drawings. Additionally, this work may be affected by current activities relative to the evaluation of Phase III activities on FCRs/FCNs, vendor drawings and FSKs. Therefore, please provide CIO with CPCo plans and schedules for assuring that prior to releasing the diesel generator installation work, the above issues are resolved. You are also requested to address your plans for covering other activities relevant to this work such as training/qualification of personnel, material control, installation control, etc. (Please see Sheet 2)			
		<input type="checkbox"/> YES (PAGE NO.'S)	<input checked="" type="checkbox"/> NO
ATTACHMENTS			
DATE RESPONSE REQ'D	INITIATOR/DATE	INITIATION APPROVED/DATE	
1/12/84	<i>[Signature]</i>	<i>[Signature]</i> 1-1-84	
RESPONSE			
		<input type="checkbox"/> YES (PAGE NO.'S)	<input type="checkbox"/> NO
ATTACHMENTS			
EST. CORRECTIVE ACTION COMPLETION DATE	RESPONDENT	TITLE	DATE
RESPONSE ACCEPTED	DATE	RESPONSE VERIFIED/CLOSED	DATE

CONDITION DETAILS (continued)

After review of the requested information, CIO will determine whether in-process evaluation of CPCo actions will be conducted or a Hold Point will be established at the completion of CPCo action for CIO to assess the readiness to proceed.

STONE & WEBSTER CONSTRUCTION IMPLEMENTATION OVERVIEW MIDLAND NUCLEAR PLANT J.O. NO. 14509	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">ITEM NUMBER</td> <td style="width:50%;">HOLD POINT NUMBER</td> </tr> <tr> <td style="text-align: center;">042</td> <td></td> </tr> <tr> <td colspan="2"><input type="checkbox"/> TRACKED ACTION ITEM</td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> TRACKED INFORMATION ITEM</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> TRACKED RECOMMENDATION ITEM</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> UNTRACKED ITEM</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> HOLD POINT NOTIFICATION</td> </tr> </table>	ITEM NUMBER	HOLD POINT NUMBER	042		<input type="checkbox"/> TRACKED ACTION ITEM		<input checked="" type="checkbox"/> TRACKED INFORMATION ITEM		<input type="checkbox"/> TRACKED RECOMMENDATION ITEM		<input type="checkbox"/> UNTRACKED ITEM		<input type="checkbox"/> HOLD POINT NOTIFICATION	
ITEM NUMBER	HOLD POINT NUMBER														
042															
<input type="checkbox"/> TRACKED ACTION ITEM															
<input checked="" type="checkbox"/> TRACKED INFORMATION ITEM															
<input type="checkbox"/> TRACKED RECOMMENDATION ITEM															
<input type="checkbox"/> UNTRACKED ITEM															
<input type="checkbox"/> HOLD POINT NOTIFICATION															
REFERENCE(S) Interoffice Memorandum, S.Saranow to DLOuarrie, CCo Training of 10/21/83. CCo Letter, DLOuarrie to S.Saranow, File 0655, RI 1.7, Serial CS-0696 of 10/28/83															

CONDITION DETAILS

The above referenced documents refer to the formalization of procedures for the training of CCo personnel (SMO) who will be performing tasks relative to the Construction Completion Program.

It is requested that these procedures be provided to CIO for review and evaluation.

YES (PAGE NO. 1) NO

ATTACHMENTS

DATE RESPONDED/REQ'D	INITIATOR/DATE	INITIATION APPROVED/DATE
11/3/83	<i>[Signature]</i>	<i>[Signature]</i> 11-6-83

RESPONSE

YES (PAGE NO. 1) NO

ATTACHMENTS

EST. CORRECTIVE ACTION COMPLETION DATE	RESPONDENT	TITLE	DATE

RESPONSE AC FTED	DATE	RESPONSE VERIFIED/CLOSED	DATE

STONE & WEBSTER CONSTRUCTION IMPLEMENTATION OVERVIEW MIDLAND NUCLEAR PLANT J.O. NO. 14509	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">ITEM NUMBER 043</td> <td style="width:70%;">HOLD POINT NUMBER</td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> TRACKED ACTION ITEM</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> TRACKED INFORMATION ITEM</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> TRACKED RECOMMENDATION ITEM</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> UNTRACKED ITEM</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> HOLD POINT NOTIFICATION</td> </tr> </table>	ITEM NUMBER 043	HOLD POINT NUMBER	<input checked="" type="checkbox"/> TRACKED ACTION ITEM		<input type="checkbox"/> TRACKED INFORMATION ITEM		<input type="checkbox"/> TRACKED RECOMMENDATION ITEM		<input type="checkbox"/> UNTRACKED ITEM		<input type="checkbox"/> HOLD POINT NOTIFICATION	
ITEM NUMBER 043	HOLD POINT NUMBER												
<input checked="" type="checkbox"/> TRACKED ACTION ITEM													
<input type="checkbox"/> TRACKED INFORMATION ITEM													
<input type="checkbox"/> TRACKED RECOMMENDATION ITEM													
<input type="checkbox"/> UNTRACKED ITEM													
<input type="checkbox"/> HOLD POINT NOTIFICATION													
REFERENCE(S) N/A													

CONDITION DETAILS: CIO Phase III evaluation of Architectural/Civil document control measures resulted in the findings listed in Attachment 1. CIO is aware that MPQAD Audit has resulted in similar conditions being identified and that these were reported in MQAR-DAT-1 dated 1-4-84.

Please provide CIO with CPCo's plan for addressing the problems noted and for implementing and verifying corrective action on both MQAR-DAT-1 and this report. Your response should cover, but not necessarily be limited to the items in Attachment 2 to this report.

Upon receipt of the above, CIO will evaluate the information and will establish any necessary CIO assessment plans and/or Hold Points and notify CPCo.

YES (PAGE NO. 3) NO

ATTACHMENTS

DATE RESPONSE REC'D. 4/15/83	INITIATOR/DATE <i>[Signature]</i> 4/15/83	INITIATION APPROVED/DATE <i>[Signature]</i> 1-6-83
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YES (PAGE NO. 51) NO

ATTACHMENTS

EST. CORRECTIVE ACTION COMPLETION DATE	RESPONDENT	TITLE	DATE
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RESPONSE ACCEPTED	DATE	RESPONSE VERIFIED/CLOSED	DATE
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PHASE III EVALUATION RESULTS
DOCUMENT CONTROL

1. Drawing Registers Distribution Control
 - a) It is necessary to consult several registers to determine the correct distribution of controlled documents e.g. FDDL, Vendor Prints, FSK, Composite Register, Specifications, Revision Register etc.
 - b) Computer input errors in one or more registers compound 1a.
 - c) The System of retiring documents (The R Symbol) has inconsistencies between the flat files (drawer files) and the field blue lines.
 - d) The exemption list compounds problem 1a.
2. Document Control Field Stations
 - a) Existing controls (cards, registers, transmittals) do not readily identify controlled documents. Therefore, Field Stations cannot easily identify those documents they should have.
 - b) Some Stations follow the practice of de-controlling drawings. This practice is apparently not proceduralized.
 - c) Documents are consistently identified on cards as inconsistent between DCC and Field Stations.
3. The FDDL is not representative of field drawing distribution (copies). Station 10: The following Design Drawings and Specifications have inconsistent quantity distribution. The Bechtel FDDL does not agree with the actual field count - Specification #C-195, C-197, C-198, C-200. Design Drawings #C-1492, C-1493-1, C-97, C-8 and C-2031.
4. Sheet numbers from Registers are inconsistent. For example Station 10: FSK 1060 shows in the Register as FSK 1060 sheet 7, however it should be Revision 7 with only one sheet. FSK 1062 shows in the Register as sheet 6 Revision 4, however it should be Revision 6 with only one sheet.
5. The exception list is constantly changing causing potential control problems. This situation indicates that a higher level Document Control Center may be required.
6. There is no way to verify the final disposition of controlled documents since transmittals for vendor prints are not receipt acknowledged.

7. At the time NIR 011 was written, Document Control Center could not supply any one source of information that could identify which documents were affected by the Retired Document Procedure (FID 2.100).
8. Change Documents are improperly posted on drawings. For example at Station 10, the Design Drawing C-2031-19 Revision 1 did not have FCR 6974 attached to the drawing. Other drawings had incorrect "R" designations. Some drawings have inapplicable Change Documents attached.
9. Given the total number of documents, the wide distribution and the number of changes. The sheer bulk of documentation is a problem and effort should be made to reduce the bulk.

CPCo CORRECTIVE ACTION PLAN
INFORMATION REQUEST

1. CPCo plan for implementing and verifying corrective action on a generic basis with time phasing (schedule).
2. Plan for packaging corrective action measures by discipline, work station, etc., and method for presenting discrete work groups to CIO for evaluation.
3. Plans, if any, to pull back documents from field stations to affect corrective action.
4. Method for assuring the identification of all changes which affect all documents and for verification that Document Control and Field Stations are consistent in their records.
5. Method for identification of all data necessary for the control of distributed documents, discipline, stations, sheets, revisions, hanging paper, "R" status.
6. Any plans for reduction in the numbers of documents issued to/used by field stations or in the number of field stations themselves.
7. Since both I Drawings are distributed to off-site vendors and these drawings are P&IDs/FCID, will they be subject to review?
8. What is the anticipated progress in corrective action program for this situation and, ultimately, CPCo lifting of Stop Work Orders for this plant evaluation of overall corrective action program).



**Consumers
Power
Company**

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

PRINCIPAL STAFF	
RA	<i>mes</i>
D/RA	DE
A/RA	DRASE
RC	CRMA
PAO	PCS
SGA	...
ENF	File <i>mes</i>

3+log.

January 4, 1984

Mr Stan Baranow
Stone and Webster
Midland Nuclear Plant Project
Trailer 186
3500 E Miller Road
Midland, MI 48640

MIDLAND ENERGY CENTER PROJECT -
TRANSMITTAL OF REFERENCE COPIES
FILE 24.2 SERIAL 27263

This will confirm the transmittal of all reference copies of the following document to Stone and Webster, as listed below:

Stop Work Orders

FSW 33 FSW 38
FSW 34 FSW 39
FSW 35 FSW 40
FSW 36 FSW 41
FSW 37

and log pages.

J. A. Ewert

G F Ewert, Division Head
Quality Services
Midland Project Quality Assurance

GFE/JAP/kmc

CC JRKepler, NRC Region III Administrator
DLQuamme, SMO
RAWells, MPQAD

OC0983-0001A-QL05

8401120706



**Consumers
Power
Company**

Dean L. Quamme
Site Manager
Midland Project

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8850

January 4, 1984

PRINCIPAL STAFF	
RA	<i>ka</i>
D/PA	PE
A/PA	PE
RC	PE
PAO	PE
SGA	PE
ENF	File <i>ka</i>

3 to

Mr S W Baranow
Stone & Webster Michigan, Inc
P O Box 1963
Midland, MI 48640

MIDLAND ENERGY CENTER GWO 7020
NIR'S 001, 006, 007, 008 & 009
File: Bl.1.7, 0655 UFI: 99*08, 53*50*04 Serial: CSC-7133

Attached are MPQAD QAR's for the corresponding S&W NIR's as indicated:

<u>QAR No</u>	<u>NIR No</u>
RT-00016	001
RT-00017	009
RT-00019	006
RT-00020	007
RT-00021	008

These QAR's were written to enter the S&W identified nonconforming conditions into MPQAD's QUAIL System and to review the corrective actions to determine if process corrective action is required.

Dean L. Quamme

DLQ/DDJ/klp

cc: JGKepler, NRC Region III w/a
JHarrison, NRC Region III w/a
RJCook, NRC Site w/a
BHPeck, MEC w/a
NIReichel, MEC w/a
RAWells, MPQAD w/a

JAN 9 1984

8401120274

6. QAR NO: RT-00016

7. DATE ISSUED: 12/29/83
8. REV: 0

1. REQUIREMENT:

Bechtel Training Matrix requires Code 3 training for AG C-9.00 for Lead Team Support Engineer.

9. PAGE 1 OF 3

10. ASME RELATED

YES NO

2. DEFICIENCY:

Training records show Code 2 training for Roger Guard as reported on S&W NIR #001.

11. POTENTIAL 50.55(e)
YES NO

3. QAR ORIGINATED BY:

DMTurnbull

4. DISCIPLINE/DIVISION/SECTION

QSD

5. RESPONSE DUE DATE

N/A

12. REPORTED TO MPQA
MANAGER:
DATE

N/A

3. ACTION ITEM NO:

S04120

15. ITEM PRIORITY:

4

17. S/U CODE:

PGM00

19. ACTION ORGANIZATION

Bechtel Construction
Training Coordinator

20. QAR REVIEWED BY:

JH Fawcett

4. DISCIPLINE:

N/A

16. TREND CODE:

DNT

18. RESB CODE:

N/A

21. DATE:

12/29/83

22. CAUSE:

Unknown. See S&W NIR #001.

23. PROPOSED CORRECTIVE ACTION:

See NIR #001
This QAR is issued to enter the NIR into the
QUAIL System.

FOR INFORMATION ONLY

24. RESPONSIBLE ORGANIZATION/PERSON:

Bechtel Construction/Training Coordinator

25. PROPOSED COMPLETION DATE

Actual completion was 8/15/83.

26. DISPOSITION CONCURRENCE:

JH Fawcett 12/29/83
QAR REVIEWER DATE

N/A

PQAE (ASME ONLY)

DATE

27. DISPOSITION ACTION TAKEN:

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 consist with Code 3 training required by FPG 2.000 paragraph 5.2.

28. METHOD OF DISPOSITION VERIFICATION

See NIR #001

29. QAR CLOSED BY

JH Fawcett 12/29/83
MPQAD DATE

N/A

PFQCE (ASME ONLY)

DATE

ACCEPTABLE UNACCEPTABLE SUPERCEDING QAR _____

STONE AND WEBSTER ENGINEERING CORPORATION
NONCONFORMANCE IDENTIFICATION REPORT

QAK No. KI-00016
Page 2 of 3
QCI 15.01
Attachment 4.1
Revision 2

DATE OF NONCONFORMANCE: August 9, 1983 NIR NUMBER 001

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 A. Blenheim PROGRAM MGR Sebastian
DATE 8/17/83 DATE August 17, 1983

CORRECTIVE ACTION BY: BEHAVIOR TRAINING COORDINATOR
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 consistant with code 3 Training required by FPG 2.000 Paragraph 5.2.

VERIFICATION (SAT) UNSAT	NEW NIR#	CONCURRENCE
INITIATOR <u>J.B. Cochran</u>	DATE <u>N/A</u>	PROGRAM MGR <u>Sebastian</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
- COMPLETED READING AND REVIEW WITH SUPERVISOR
- COMPLETED TRAINING
- EXEMPT FROM TRAINING DUE TO PRIOR WORK EXPERIENCE (NOTE #1)

- EMPLOYEE & SUPERVISOR
- EMPLOYEE & SUPERVISOR
- EMPLOYEE, SUPERVISOR, & TRAINER
- EMPLOYEE, SUPERVISOR, & CPCO-SMO

DOCUMENT TITLE

DOCUMENT TITLE

AG C-9.00
CONTROLLED ACCESS
REVISION 2 5-9-83

SIGNATURES

DATE

EMPLOYEE Roger L Guard Aug 15, 1983
SUPERVISOR Edward C. [Signature] 8/15/83
TRAINER _____
CPCO-SMO _____

NOTE: 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

MIDLAND PROJECT
 QUALITY ASSURANCE DEPARTMENT QUALITY ACTION REQUES.

6. QAR NO: RT-00017
 7. DATE ISSUED: 12/29/83
 8 REV: 0

1. REQUIREMENT:
 FPD 1.000, section 7.1.2 requires that the document controller maintain up to date controlled sticks at locations designated by the PFE.

9. PAGE 1 OF 2
 10. ASME RELATED
 YES NO

2. DEFICIENCY:
 Stone and Webster NIR #009 identified the fact that one drawing in a sample of 50 was missing.

11. POTENTIAL 50.55%
 YES NO

3. QAR ORIGINATED BY: DMTurnbull
 4. DISCIPLINE/DIVISION/SECTION: QSD
 5. RESPONSE DUE DATE: N/A
 12. REPORTED TO MPQA MANAGER: DATE N/A

3. ACTION ITEM NO: S04121
 15. ITEM PRIORITY: 4
 17. S/U CODE: PGM00
 19. ACTION ORGANIZATION: Field Document Control Center
 20. QAR REVIEWED BY: *[Signature]*
 21. DATE: 12/29/83
 4. DISCIPLINE: N/A
 16. TREND CODE: DNT
 18. RESB CODE: N/A

22. CAUSE: Unknown. See S&W NIR #009.
 23. PROPOSED CORRECTIVE ACTION: See NIR #009. This QAR is issued to enter the NIR into the QUAIL system.

FOR INFORMATION ONLY

24. RESPONSIBLE ORGANIZATION/PERSON: Field Document Control Supervisor/Judy Davis
 25. PROPOSED COMPLETION DATE: Actual completion was 12/12/83.

26. DISPOSITION CONCURRENCE:
[Signature] 12/29/83
 QAR REVIEWER DATE
 N/A
 PQAE (ASME ONLY) DATE

27. DISPOSITION ACTION TAKEN:
 Corrective action had been accomplished. CIO verified that the missing drawings had been added to the controlled stick drawings and performed a sample inspection of the drawings at this station. The review was considered to be satisfactory and acceptable in meeting the requirements of FID-2.400 Rev 3, Review and Resolution Program. Corrective action completed on December 12, 1983.

28. METHOD OF DISPOSITION VERIFICATION: See NIR #009.
 29. QAR CLOSED BY: *[Signature]* 12/29/83
 MPQAD DATE

ACCEPTABLE UNACCEPTABLE SUPERCEDING QAR _____

N/A
 PQCE (ASME ONLY) DATE

STONE, WEBSTER ENGINEERING CORP ON
NONCONFORMANCE IDENTIFICATION REPORT

QAR No. RT-00017
Page 2 of 2
QC# 15.01
Attachment 4.1
Revision 2

DATE OF NONCONFORMANCE: December 11, 1983 NIR NUMBER 009

IDENTIFICATION/LOCATION OF ITEMS: Support Services Building
Q.C. Station #55

DESCRIPTION OF NONCONFORMANCE:
A sample inspection was performed of controlled Architechural drawings at Q.C. Station No. 55. A sample size of 50 drawings representing a lot size of 224 drawings was selected. Accept/Reject criteria is; Accept 0 Reject 1. Drawing No. A-213 was missing from Station 55 control drawing sticks. As a result, the entire lot of the 224 drawings has been rejected.

This NIR describes a deficiency against the Document Control Center. A check of the Control Card for drawing A-213 does not show any FCR/FCNs as being applicable.

Richard Scallan
INITIATOR PROGRAM MGR J. B. Brown
DATE 12/12/83 DATE Dec 12, 1983

CORRECTIVE ACTION BY: MPQAD
IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

Corrective action had been accomplished by MPQAD. CIO verified that the missing dwgs had been added to the controlled stick dwgs and performed a sample inspecti on the drawings at this station. The review was considered to be satisfactory an acceptable in meeting the requirements of FID-2.400 Rev. 3, Review and Resolutio Program. Corrective Action completed on December 12, 1983.

VERIFICATION	SAT <input checked="" type="checkbox"/> UNSAT	NEW NIR#	CONCURRENCE
INITIATOR	<u>R. Scallan</u>	<u>N/A</u>	PROGRAM MGR <u>J. B. Brown</u>
DATE	<u>12/13/83</u>	DATE	DATE <u>December 13, 1983</u>

REMARKS This NIR as issued is closed as corrective action has been completed.

MIDLAND PROJECT
QUALITY ASSURANCE DEPARTMENT

QUALITY ACTION REQUEST

6. QAR NO: RT-00019

7. DATE ISSUED: 12/29/83
8. REV: 0

REQUIREMENT:

FPG-2.000 Rev 5 identifies requirements for maintaining construction training records.

9. PAGE 1 OF 3

10. ASME RELATED

YES NO

DEFICIENCY:

Stone and Webster NIR #006 identified numerous deficiencies in construction training records.

11. POTENTIAL 50.55(e)
YES NO

QAR ORIGINATED BY:
DMTurnbull

4. DISCIPLINE/DIVISION/SECTION
QSD

5. RESPONSE DUE DATE
1/6/84

12. REPORTED TO MPQA
MANAGER:
DATE N/A

ACTION ITEM NO:
SO4122

15. ITEM PRIORITY:
3

17. S/U CODE:
PGMOO

19. ACTION ORGANIZATION
Bechtel Construction
Training Coordinator

20. QAR REVIEWED BY:

[Signature]

DISCIPLINE:
N/A

16. TREND CODE:
DNT

18. RESB CODE:
BC PCO FEST

21. DATE:

12/29/83

22. CAUSE:

23. PROPOSED CORRECTIVE ACTION:

FOR INFORMATION ONLY

24. RESPONSIBLE ORGANIZATION/PERSON:

25. PROPOSED COMPLETION DATE

26. DISPOSITION CONCURRENCE:

QAR REVIEWER

DATE

POAE (ASME ONLY)

DATE

27. DISPOSITION ACTION TAKEN:

28. METHOD OF DISPOSITION VERIFICATION

29. QAR CLOSED BY

MPQAD

DATE

PFQCE (ASME ONLY)

DATE

ACCEPTABLE UNACCEPTABLE SUPERCEDING QAR _____

STONE AND WEBSTER ENGINEERING CORPORATION
 NONCONFORMANCE IDENTIFICATION REPORT

Page 2 of 3
 QCI 15.01
 Attachment 4.1
 Revision 2

PAGE 1 OF 2

DATE OF NONCONFORMANCE: OCTOBER 27, 1983 NIR NUMBER 006

IDENTIFICATION/LOCATION OF ITEMS:
BECHTEL DOCUMENT CONTROL CENTER

DESCRIPTION OF NONCONFORMANCE:
 During the review of 2054 non-manual Construction Training Records, three areas of discrepancies were observed which were not in compliance with the requirements of FPG-2.000 Rev. 5, "Training of Construction Personnel." (The following Teams were evaluated #5, 6, 8, 9, 12, 13, 16, 17, 19, 20, 25, 26, (27/28), 29, 30, 31, 32/33), BHD Team Staff.
 (See attached for descriptions of Discrepancies)

Walter H. Siemkiewicz PROGRAM MGR [Signature]
 INITIATOR
 DATE October 28, 1983 DATE October 28, 1983

CORRECTIVE ACTION BY:

 IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

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

REMARKS

- 1) Course Rosters Attachment D to FPG-2.000 exhibited one or more of the following discrepancies.

<u>BLOCK NO.</u>	<u>ENTRY REQUIRED</u>	<u>ENTRY RECORDED</u>
1	CCP	DWG. No. FIG. No.
2	(a) Name of lesson (b) Procedures (c) Revision	Either a, b, or c missing
6	Location of Session	Bechtel
10	(a) Signature (b) Print Last Name	Either a or b missing
5	Instructor Name	Instructor Department

In addition many entries were left blank

- 2) Reading Records Attachment C to FPG-2.000 exhibited one or more of the following discrepancies:

Reading Record

- 1) The department and or assignment lines are illegible or incomplete.
- 2) Assigned reading performed on October 11, 1983 and September 29, 1983 were not documented on Reading Form Attachment C, Rev. 5.
- 3) Team Records and TSR (Training Status Report) show training completed Document Control Files showed no record of training. For example:

<u>NAME</u>	<u>TEAM #</u>	<u>TRAINING REQUIREMENT</u>	<u>DISCREPANCY</u>
Kranzfelder	Management	FPD-2.000 Code 2	No Record in File
J. Hull	32/33	M-204 Code 5	No Record in File

In addition to these violations, inconsistency was noted in 4 areas:
 (1) Modification to records, some lined through, signed and dated and others simply lined through. (2) Some entries on course register are completed using pencil while most are in ink. (3) Difficulty is experienced in determining the accuracy of records where attendance at a course carries credit for several others. (4) Some entries carried the revision number to procedures and some omitted the revision. (5) Proper "Course Roster Form as listed in Procedure FPG-2.000 were not utilized. (6) Some courses on Rosters contain information not identical to matrix listing.

It is recommended that the disposition to this NIR include a commitment to verify training records of each individual prior to status assessment assignment.

MIDLAND PROJECT
QUALITY ASSURANCE DEPARTMENT

QUALITY ACTION REQUEST

6. QAR NO: RT-00020

7. DATE ISSUED: 12/29/83 8. REV: 0

1. REQUIREMENT:

FPG-2.000 Rev 5 identifies the requirements for generating and maintaining records of the training of construction personnel.

9. PAGE 1 OF 3

10. ASME RELATED

YES NO

2. DEFICIENCY:

Stone and Webster NIR #007 identified numerous discrepancies in the records kept on construction personnel.

11. POTENTIAL 50.55(e)
YES NO

3. QAR ORIGINATED BY:

DMTurnbull

4. DISCIPLINE/DIVISION/SECTION

QSD

5. RESPONSE DUE DATE

1/6/84

12. REPORTED TO MPQA
MANAGER:
DATE: N/A

3. ACTION ITEM NO:

SO4123

15. ITEM PRIORITY:

3

17. S/U CODE:

PGMOO

19. ACTION ORGANIZATION

Bechtel Construction
Training Coordinator

20. QAR REVIEWED BY:

H. Ewert

4. DISCIPLINE:

N/A

16. TREND CODE:

DNT

18. RESB CODE:

BC PCO FEST

21. DATE:

12/29/83

22. CAUSE:

23. PROPOSED CORRECTIVE ACTION:

FOR INFORMATION ONLY

24. RESPONSIBLE ORGANIZATION/PERSON:

25. PROPOSED COMPLETION DATE

26. DISPOSITION CONCURRENCE:

QAR REVIEWER

DATE

PQAE (ASME ONLY)

DATE

27. DISPOSITION ACTION TAKEN:

28. METHOD OF DISPOSITION VERIFICATION

29. QAR CLOSED BY

MPQAD

DATE

PFQCE (ASME ONLY)

DATE

ACCEPTABLE UNACCEPTABLE SUPERCEDING QAR _____

STONE AND WEBSTER ENGINEERING CORPORATION
NONCONFORMANCE IDENTIFICATION REPORT

QCE 15.01
Attachment 4.1
Revision 2
Page 1 of 2

DATE OF NONCONFORMANCE: November 7, 1983

NIR NUMBER 007

IDENTIFICATION/LOCATION OF ITEMS:

DESCRIPTION OF NONCONFORMANCE:

During the review of 834 non-manual Construction Training Records, two areas of discrepancies were observed which were not in compliance with the requirements of FPG-2.000 Rev. 5, "Training of Construction Personnel." (The following Teams were evaluated #24, Field Procurement, Sub Contractors, Managements, F.E. Staff, and CGSO.

(See attached for descriptions fo Discrepancies)

Walter H. Sienkiewicz
INITIATOR

PROGRAM MGR [Signature]

DATE NOVEMBER 7, 1983

DATE November 7, 1983

CORRECTIVE ACTION BY:

IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

VERIFICATION SAT UNSAT
INITIATOR _____
DATE _____

NEW NIR#
DATE

CONCURRENCE
PROGRAM MGR _____
DATE _____

REMARKS

NIR 007

- 1) Course Rosters Attachment D to FPG-2000 exhibited one or more of the following discrepancies.

<u>BLOCK NO.</u>	<u>ENTRY REQUIRED</u>	<u>ENTRY RECORDED</u>
1	CCP	DWG. No. Fig. No. Course No.
2	(a) Name of lesson (b) Procedures (c) Revision	Either a, b, or c missing
6	Location of Session	Bechtel

In addition some entries
were left blank

- 2) In addition to these violations, inconsistencies were noted in 6 areas:

(1) Modification to records, some lined through, signed and dated and others simply lined through. (2) Some entries on course register are completed using pencil while most are in ink. (3) Difficulty is experienced in determining the accuracy of records where attendance at a course carries credit for several others. (4) Some entries carried the revision number to procedures and some omitted the revision. (5) Proper "Course Roster Form" as listed in Procedure FPG-2.000 were not utilized. (6) Some courses on Rosters contain information not identical to matrix listing.

It is recommended that the disposition to this NIR include a commitment to verify training records of each individual prior to status assessment assignment.

QUALITY ACTION REQUEST

6. QAR NO: RT-00021

7. DATE ISSUED: 12/29/83 8 REV: 0

1. REQUIREMENT:

FPG 2.000 identifies the requirements for, and the approvals required for training matrices. Various people generate and approve the matrices but the one common factor is that CP Co SMO gives final approval to all of them.

9. PAGE 1 OF 3

10. ASME RELATED

YES NO

2. DEFICIENCY:

Stone and Webster NIR #008 identified five inadequacies in the system team training matrix in a sample of 50 which represented 318 job assignments.

11. POTENTIAL 50.55%
YES NO

3. QAR ORIGINATED BY:

DMTurnbull

4. DISCIPLINE/DIVISION/SECTION

QSD

5. RESPONSE DUE DATE

1/6/84

12. REPORTED TO MPQA
MANAGER:
DATE N/A

3. ACTION ITEM NO:

S04124

15. ITEM PRIORITY:

3

17. S/U CODE:

PGMOO

19. ACTION ORGANIZATION

CP Co Site Management
Organization

20. QAR REVIEWED BY:

A. Ewert

4. DISCIPLINE:

N/A

16. TREND CODE:

DNT

18. RESB CODE:

CPCO SM

21. DATE:

12/29/83

22. CAUSE:

23. PROPOSED CORRECTIVE ACTION:

FOR INFORMATION ONLY

24. RESPONSIBLE ORGANIZATION/PERSON:

25. PROPOSED COMPLETION DATE

26. DISPOSITION CONCURRENCE:

QAR REVIEWER

DATE

PQAE (ASME ONLY)

DATE

27. DISPOSITION ACTION TAKEN:

28. METHOD OF DISPOSITION VERIFICATION

29. QAR CLOSED BY

MPQAD

DATE

PFQCE (ASME ONLY)

DATE

ACCEPTABLE UNACCEPTABLE SUPERCEDING QAR _____

STONE AND WEBSTER ENGINEERING CORPORATION
NONCONFORMANCE IDENTIFICATION REPORT

QCI 15.01
Attachment 4.1
Revision 2

PAGE 1 OF 2

DATE OF NONCONFORMANCE: NOVEMBER 8, 1983
NIR NUMBER 008

IDENTIFICATION/LOCATION OF ITEMS:

SYSTEM TEAM TRAINING MATRIX, REV.1, DATED JULY 20, 1983

DESCRIPTION OF NONCONFORMANCE:

During the review of the adequacy of the construction training matrices, a sample size of 50 training level assignments, representing a lot size of 318 assignments, five unsatisfactory conditions were observed in the training level assignments. The System Team Training Matrix of the Construction Training Program was utilized to perform the review.

See the attached for unsatisfactory conditions observed. The five unsatisfactory conditions reported represents a reject condition for this lot size of 318.

J. B. Ruby
INITIATOR
DATE 11/9/83

PROGRAM MGR *J. B. Ruby*
DATE October 10, 1983

CORRECTIVE ACTION BY:

IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

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

REMARKS

1. *FPG 9.700, "System Team Charter"

FPG 9.700 appears on the "System Team Training Matrix" as a Level "0" (no training required) for the system team field engineer, mechanical. Paragraph 5.2.7 of this procedure identifies the job responsibilities and reporting relationships for the system team field engineers. As such, a level of training of "0" (no training) is not satisfactory.

2. FPO 1.201, "Bechtel Assigned Post Turnover (PTO) Work".

FPO 1.201 appears on the "System Team Training Matrix" as a Level "0" (no training required) for the system team field engineer, mechanical. In discussion with the Team #5 supervisor, it was noted that the Team members do get involved in Post Turnover Work. Because of this involvement by the Team members, a level of training of "0" (no training) is not satisfactory.

3. FIG 1.400 "Preparation, Review and Routing of Field Engineer's Reports."

FIG 1.400 includes responsibilities for several disciplines, ie; mechanical, civil, welding, and instrumentation as well as including responsibilities for the electrical discipline. The following conditions were noted as being unsatisfactory:

- (a) The "System Team Training Matrix" under the column entitled "Responsible Discipline" shows this procedure to be an electrical discipline procedure.
- (b) The "System Team Training Matrix" requires the field engineers of the mechanical and the instrumentation disciplines to receive a level "2" training whereas the field engineers of the electrical and welding disciplines receive a level "3" training. There is an inconsistency of training levels being assigned.

4. Specification M-214, "Piping System Erection Fit-up Control Requirements."

M-214 appears on the "System Team Training Matrix" as a level "0", (no training required) for the system team field engineer, welding. Specification pages 3, 5; 7B and 8 address welding. Also, weld fit-ups are addressed throughout this specification. As such, a level of training of "0" (no training) is not satisfactory.

5. Drawing E-039 - "Seismic Wireway Supports."

E-039 appears on the "System Team Training Matrix," as a level "0" (no training required) for the system team field engineer, welding. This drawing contains weld sizes and weld symbols for typical wireway supports. As such, a level of training of "0" (no training) is not satisfactory.

It is recommended that the disposition to this NIR include a commitment to verify the adequacy of all training matrices.



**Consumers
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Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

PRINCIPAL STAFF	
VA	W. J. [unclear]
D/RA	DE
A/RA	DMASH
RC	SRJA
PAO	JCS
SGA	[unclear]
ENF	PTA [unclear]

3. sig

LAB 01-84

January 4, 1984

Mr Stan Baranow
Stone & Webster Engineering
Midland Nuclear Plant Project
Trailer 186
3500 E Miller Road
Midland, MI 48640

MIDLAND ENERGY CENTER PROJECT -
TRANSMITTAL OF (3) COMPUTER PRINTS

You have been placed on a weekly distribution for the following MPQAD
Personnel printouts.

- Summary of Inspector Training - PMerritt
- Personnel Forms - Perschk
- Item Complete - PBack

These prints will be forwarded to you each Monday until further notice.

L. Botimer / GFEwert
GFEwert/LABotimer

Prints for the week of January 2, 1984

cc: JHarrison, NRC
DLQuamme, Site Mgr
RAWells, MPQAD

2401120426



**Consumers
Power
Company**

Dean L. Quamme
Site Manager
Midland Project

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8850

January 3, 1984

Mr S W Baranow
Stone & Webster Michigan, Inc
P O Box 1963
Midland, MI 48640

PRINCIPAL STAFF	
RA	TRD
D/RA	CE
A/RA	DRMSP
RC	DRMA
PAO	SCS
SGA	KL
ENF	FTB

3164g.

MIDLAND ENERGY CENTER GWO 7020
UNSATISFACTORY CONDITIONS ON TRAINING MATRIX, NIR-008
File: 0400.2, B1.1.7, 0655 UFI: 06*02, 99*08, 53*50*04 Serial: CSC-7127

Attached is a letter from Bechtel dated December 29, 1983 regarding the five unsatisfactory training level assignments identified in NIR-008. The scheduled date for completing a review of the entire matrix and issuing a new revision is mid January 1984.

DLQ/DDJ/klp

cc: JHarrison, NRC Region III w/a
JKeppler, NRC Region III w/a
RJCook, NRC-Site w/a
BHPeck, MEC w/a
RAWells, MPOAD w/a
NIReichel, MEC w/a

~~840420587~~

RECEIVED

12/29/83

Bechtel Power Corporation

Site Mgr.
Midland Project

Post Office Box 2167
Midland, Michigan 48640



December 29, 1983

Consumers Power Company
P.O. Box 1963
Midland, MI 48640

Attention: D. L. Quamme
Site Manager

Job 7220 Midland Project
NIR-008, OBSERVATION #34
UNSATISFACTORY CONDITIONS
ON TRAINING MATRIX
BCCC-8838

DIQ	
JFF	
JMB	
VMB	
TAB	
RFK	
ACK	
SLA	
SNP	
NJS	
CC-NR	
FILE NO.	
JFI	

Dear Mr. Quamme:

The review of a sampling of the training matrix by Stone & Webster uncovered five possible unsatisfactory conditions. The conditions are inconsistencies between the levels and areas of Orientation and Indoc-trination (O&I) Training that the systems teams receive.

The assignment of the level and area of O&I training is based on judge-ment as to what the requirements are for bringing a qualified employee up to speed to accomplish the CCP. This judgement was made by various groups who established the levels for their respective areas, using some general guidelines. With this approach, there is a chance for inconsistencies due to difference of opinion and judgement.

One item cited by Stone & Webster was the lack of O&I training for a welding engineer on the electrical support drawings (E-039). Even though these drawings have welding symbols and sizes on them, the group establishing the levels of training made the determination that these drawings, as well as many other drawings, do not have to be included in the O&I training for welding engineers.

Another item involved an inconsistency between some members of a team receiving a level 2 (read only) and others having level 3 (read and review with supervisor) on the same procedure (Preparation, review and routing of Field Engineer's Report). This is an inconsistency though not serious, and the matrix is presently being reviewed to eliminate this type.

The other three unsatisfactory conditions involved leaving off some members of a team from an O&I training requirement of level 2 (read only) on two general procedures and failing to require O&I training for the welding engineer on piping specification M-214 (Piping system erection fit-up control requirements).

In regard to the piping specification, it has almost no involvement with welding or welding fit-up and is a pure judgement call as to whether welding engineers should be required to have O&I training on the specification. Of the other two procedures, one obviously should have been included as a systems team requirement (FPG-9.700, System Team Charter) and the other is a matter of judgement as to who requires O&I training on the "Bechtel Assigned (PTO) Work" procedure.

In summary of the five items noted by Stone & Webster, two are clear inconsistencies and the other three fall into an area of subjective opinion.

To eliminate our inconsistencies in levels and areas of O&I training, we have a committee reviewing the entire matrix with the goal of issuing the next revision by mid January 1984.

Very truly yours,

G. A. Hierzer
G. A. Hierzer
Site Manager

GAH/EK/jkc

Written Response Requested: No



**Consumers
Power
Company**

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

December 22, 1983

PRINCIPAL STAFF			
✓ RA	<i>lee</i>	DPRP	
D/RA		DE	
A/RA		DRMSP	
✓ RC	<i>lee</i>	DRMA	
PAO		SCS	
SGA		ML	
ENF		File	<i>lee</i>

orig + 3

Mr S W Baranow
Stone & Webster Michigan, Inc
P O Box 1963
Midland, MI 48640

MIDLAND ENERGY CENTER GWO 7020
HANGER REINSPECTION

File: B1.1.7, 0655 UFI: 99*08, 53*50*04 Serial: CSC-7115

Attached are copies of memos written by J Christy, MPQAD on November 21, 1983 and December 6, 1983. These should clarify the meeting note in Report No 23 regarding reinspection of 500 large bore hangers. Please advise us if more information is needed to resolve this issue.

K. Jean G. Gamm

DLQ/DDJ/klp

cc: JGKepler, NRC w/a
JJHarrison, NRC w/a
RJCook, NRC w/a
RAWells, MPQAD w/a
BHPeck, MEC w/a
NIRichel, MEC w/a

~~8401050350~~

DEC-30 1983

TO RAWells

FROM JTChristy

JTChristy

DATE November 21, 1983

SUBJECT MIDLAND ENERGY CENTER PROJECT
PROJECT CONCERNS RELATIVE TO DESIGN CONTROL -
REDLINE REINSPECTION IMPACT ON THE HANGER
REINSPECTION PROGRAM

**Consumers
Power
Company**

INTERNAL
CORRESPONDENCE
QC-JTC-83-62

CC MEPlumb
HPLeonard
WJFriedrich

The following data is submitted to support the required decision on the action plan for the subject Project Concern:

- 1) 1768 hangers have been reinspected using the P-2.30 PQCI.
- 2) Based on a survey of the closed P-2.30s, between 69 and 73 percent were inspected using redlines (LH, SH or FRL drawings). This is a population of approximately 1250 reinspections.
- 3) Of the 1250 reinspections in 2), approximately 450 will have to be reinspected due to problems with disapproved, illegible or "approved with comment" redlines.
- 4) Approximately 50% of all reinspections will require another inspection due to the decision to remove paint and rust from welds.
- 5) All large bore hangers will require reinspection for the location criterion.

The data in 1-5 above can lead to the following conclusion concerning reinspection after redline incorporation:

Completed P-2.30s using redlines (2)	minus	P-2.30s using unacceptable redlines which must be reperformed (3)	minus	P-2.30s which used redlines which probably require weld reinspection (50% of (2))
<u>1250</u>		<u>450</u>		<u>625</u>
minus		P-2.30s which used redlines which are part of population (3) (50% of (3))	=	Number of hangers which will have to be reinspected as a result of the subject proposed action plan.
		<u>225</u>		<u>400</u>

This does not account for possible decisions related to NDE issues or IE Bulletin 79-14 issues.

If you have any questions concerning this data please see me.

JTC:mlt

To JChristy
FROM MEPlumb
DATE December 6, 1983
SUBJECT MIDLAND ENERGY CENTER PROJECT -
HANGER REINSPECTION PROGRAM
CONSOLIDATED APPROACH TO RESTART
MEP-83-52
CC CPaulsen MMcClain
LMouring BWilliams
CAnderson WJFriedrich
FSchulmeister

Consumers
Power
Company

INTERNAL
CORRESPONDENCE

The following recommended actions deal with the restart of the Hanger Reinspection Program. These actions were discussed and agreed upon by the MPQAD personnel listed below.

M Plumb F Schulmeister
C Paulsen M McClain (NDE only)
L Mouring B Maycheck (NDE only)
C Anderson

Redlines A: For all inspections completed after the lifting of stop work order #FSW-34, only drawing/ISO's for which all redlines have been incorporated will be used.

B: All P-2.30's which were completed using redline drawings will be reinspected for orientation and configuration using a drawing/ISO with incorporations completed.

Paint/Rust: Welds are being inspected with all paint and heavy rust removed. Any welds inspected previously through paint or rust will be inspected again after cleaning.

Location: Due to stress calculation requirements for large bore hangers, locations for all large bore hangers will be inspected to the H-ISO location.

Drawing

Conflicts A: There has been a conflict between H-ISO and M-ISO for pipe configuration. The known cases have been corrected. Any future cases will be documented on an NCR for indeterminate location and class break.

B: The ATMS will be completely updated by 12/9/83 per Document Control. When FSW-34 is lifted the ATMS will be the controlling document to determine drawing revision status.

C-1.52's: All hangers with open C-1.52's will have to be closed. QA will rewrite the PQCI and training will be provided to certify inspectors.

IE Bulletin
79-14: A copy of the hanger sketch will be marked up as an as-built drawing during the P-2.30 re-inspection. This drawing will be retained by MPQAD-QC. This will continue until a commitment to 79-14 is made by MPQAD.

QARs/NCRs
Against M-326 &
C-304: Because of the undispositioned QAR's and NCR's against these specifications, PQCI P-2.30 will be revised to meet the minimum requirements of the FSAR and codes referenced in the FSAR. Note: A) Undercut requirements under the new revision to P-2.30 are going to be revised. B) Skewed fillet weld criteria is going to be revised.

Recommendations: Request a freeze of P-2.30 inspection criteria until the HRP program has reached a stabilized level. At that time changes would be discussed and added with concurrence of the assistant superintendent.

Summary: During the restart and for the completion of the HRP, and to facilitate the above actions, all hangers within the program will have a Rev. 5 IR for P-2.30 opened. This could be only for a statement that none of the criteria changes affects this hanger to a detailed inspection. The scope of the IR would be the governing factor for the amount of reinspection to the later rev. Items needing reinspection will be determined by the AQAES for inspection attributes and the Assistant PFQCE for the individual hangers.

MP 12-6-87



**Consumers
Power
Company**

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

December 20, 1983

Mr Stan Baranow
Stone and Webster
Midland Nuclear Plant Project
Trailer 186
3500 E Miller Road
Midland, MI 48640

MIDLAND ENERGY CENTER PROJECT -
STONE & WEBSTER NIRs 002 THROUGH 004
FILE 24.2 SERIAL 27245

Our QAR No. RT-00010, which was sent to you on October 13, 1983, was issued to track the extended review of qualification and certification records.

This QAR indicated that the proposed completion date was December 16, 1983. The purpose of this letter is to advise you that completion is now scheduled for December 30, 1983.

Gary F Ewert, Division Head
Quality Services
Midland Project QA Department

GFE/kw

CC LABotimer
JRKeppler, NRC Region III Administrator
DLQuamme, SMO
DMTurnbull
I Wells

PRINCIPAL STAFF		
✓ RA	<i>for</i>	DRRP
D/RA		DE
A/RA		DRMSP
✓ RC	<i>for</i>	DRMA
PAO		SCS ✓
GA		ML
ENF		File <i>for</i>

orig + 3



**Consumers
Power
Company**

Dean L Quamme
Site Manager
Midland Project

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

December 16, 1983

Mr S W Baranow
Stone & Webster Michigan, Inc
P O Box 1963
Midland, MI 48640

PRINCIPAL STAFF		
✓ RA	<i>ku</i>	DPRP
D/RA		DE
A/RA		DRMSP
✓ RC		DRMA
BAO		SCS ✓
SGA		ML
ENF		File <i>ku</i>

orig + 3

MIDLAND ENERGY CENTER GWO 7020
OBSERVATION 37, REPORT 24
File: B1.1.7, 0655 UFI: 99*08, 53*50*04 Serial: CSC-7102

Attached is close out documentation for NCR-C00925 which resulted from your Observation 37, Report No. 24. Please advise if this action is acceptable for close out of Observation 37.

Dean L Quamme

DLQ/DDJ/klp

cc: RAWells, MPQAD w/a
BHPeck, MEC w/a
NIREichel, MEC w/a
RJCook, NRC w/a
JGKeppler, NRC w/a
JJHarrison, NRC w/a

Bechtel Power Corporation

Post Office Box 2167
Midland, Michigan 48640



December 15, 1983

Consumers Power Company
P.O. Box 1963
Midland, MI 48640

Attention: D.L. Quamme

Job 7220 Midland Project
CONSTRUCTION REVIEW OF STONE
AND WEBSTER'S CCP OVERVIEW
OBSERVATION NO. 37, REPORT
NO. 24
BCCC-8822

Dear Mr. Quamme:

Reference: Ltr. G.A. Hierzer to D.L. Quamme dated December 9, 1983
BCCC-8802

Per the above reference, Construction's complete response to the subject observation is detailed below.

The disposition of NCR C00925 was implemented on December 9, 1983, and the NCR was subsequently closed on December 14, 1983. A copy of the closed NCR is attached for your use.

If you have any questions concerning the above, please contact B.T. Foote at Ext. 7507.

Very truly yours,

G.A. Hierzer

G.A. Hierzer
Site Manager

GAH
GAH/BTF/MRM/lcc

Attachment: NCR C00925

Written Response Requested: No

RECORD COPY

19

PAGE 1 OF 1

1 ITEM LOCATION AUX. BLDG. (6'-6" E/S.O; 2'-6" S/H) ELEV. 634' + 15'		
2 ITEM DRAWING/PART NO. N/A	3 ITEM PART NAME 1AKA19	4 ITEM SERIAL NO. N/A

5 ITEM DESCRIPTION
CABLE TRAY 1AKA19

6 ITEM STARTUP SYSTEM NO. N/A	7 REFERENCE DOCUMENT E-42A	8 ASSE A.N.I. REQU <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
----------------------------------	-------------------------------	---

9 INSPECTION RECORD NO. N/A	LOG NO. N/A	REV NO. N/A	10 RESPONSIBLE ORGANIZATION CONSTRUCTION
--------------------------------	----------------	----------------	---

11 NONCONFORMANCE DISCOVERED DURING:

DESIGN RECEIVING CONST RELEASE FOR INSP

POST INSPECT TURNOVER POST TURNOVER PRE-OP TEST FINAL TURNOVER OVERINSPE

12 REQUIREMENT E-42A (SHT 7(f)) STATES: "CONDUCTORS IN TRAYS SHALL BE PROTECTED DURING THE CONSTRUCTION PERIOD AGAINST DAMAGE FROM ANY SOURCE. PARTICULAR ATTENTION SHALL BE GIVEN TO PROTECTION FROM WELDING AND BURNING HAZARDS."

13 NONCONFORMANCE

CABLE TRAY 1AKA19 CONTAINS LUMBER WITH NAILS PROTRUDING FROM IT. ALSO THERE IS A PIECE OF CONDUIT IN THE SAME TRAY. THIS SITUATION IS A SOURCE OF CABLE DAMAGE TO ALL OF THE CABLES IN THIS TRAY WHICH IS A VIOLATION OF E-42A, SHT. 7(f).

14 NCR ORIGINATED BY (PERSON) <i>Celaine Tyler</i>	11-
15 NCR ORIGINATED BY (DISCIPLINE) MPQAD - QCD - ELECTRIC	

20 NUMBER OF HOLD TAGS (IF APPLIED) 1	21 LOCATION OF HOLD TAGS 1AKA19
--	------------------------------------

22 POT. JAL 50.55(e) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	24 ACTION ITEM NO. S03991	26 ITEM PRIORITY CODE NO. 5	28 NCR REVIEWED BY: <i>W.D. W...</i>
23 REPORTED TO MPQA MANAGER DATE _____	25 DISCIPLINE: E	27 TRND CODE B-5	DATE: 11-22-83

scaffolds in disposal.

30 PROCESS CORRECTIVE ACTION

YES NO QAR NO. _____

31 RECOMMENDED DISPOSITION

REWORK SCRAP/REJECT REPAIR USE AS IS

32 CONDITIONAL RELEASE

YES NO

31A ADDITIONAL INFORMATION

Construction to remove leftover materials, Lumber & conduit from the tray 1AKA19, Following Housekeeping procedure. *12-1-83*

33 DISTRIBUTION FOR ACTION

Construction

34 DISPOSITION/CONCURRENCE

<i>[Signature]</i> PROJECT FIELD ENGINEER	<i>12-1-83</i> DATE	<i>[Signature]</i> MPOAD CONCURRENCE	<i>12-1-83</i> DATE	_____	_____
_____	_____	CP Co SMO (for turned over systems)	_____	_____	_____

PREP (ASKE)
PQAE (ASKE)
A.M.I. (ASKE)

35 DISPOSITION ACTION TAKEN

Lumber and conduit have been removed from Tray 1AKA19, subsequently fire blanket protective covering was pulled back. Cables which were under and near lumber and conduit were examined for damage. None was found. Fire blanket protective covering was replaced.

Note No 1: This NCR is in response to; Stone & Webster Rpt 24/OBS

36 METHOD OF DISPOSITION ACTION VERIFICATION

RESULT OF DISPOSITION ACTION VERIFICATION
 ACCEPTABLE UNACCEPTABLE

IF UNACCEPTABLE, REFERENCE SUPERCEDING NCR NUMBER _____

37 NCR CLOSED BY

[Signature]
MPOAD

A.M.I. (ASKE)



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

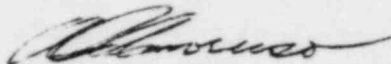
Mr. J. J. Harrison
Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

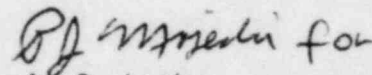
December 15, 1983
J. O. No. 14509

Re: DOCKET NO. 50-329/330
MIDLAND NUCLEAR COGENERATION PLANT
MONTHLY THIRD PARTY ASSESSMENT MEETING

The protocol governing communications for the Remedial Soils and Construction Completion Programs at the Midland Plant, specifies a monthly meeting to discuss third party assessment activities and assigns preparation of the minutes of those meetings to Stone & Webster.

Enclosed are minutes of the meeting held on December 8, 1983.


A. P. Amoruso
Project Manager
CIO


A. S. Lucks
Project Manager
Underpinning and Remedial Soils

Enclosures

cc: JWCook, CPCo
DLQuamme, CPCo
RAWells, CPCo

8401100229

DEC 27 1983

MINUTES OF THE MEETING OF DECEMBER 8, 1983

STATUS OF INDEPENDENT ASSESSMENT OF UNDERPINNING AND REMEDIAL SOIL WORK

Purpose

This was a Public meeting to discuss the Third Party Overview activities of Stone & Webster (S&W) and observations encountered regarding underpinning and remedial soils work.

Summary

A.S. Lucks opened the Assessment Team's presentation by stating it would consist of three parts: first, A.S. Lucks would address two of three action items assigned at the previous Public meeting; second, W.E. Kilker would cover the Assessment Team's activities for the month; and third, W.C. Craig would address the third action item with a presentation on his report concerning the change and nonconformance documents.

A.S. Lucks began the first part of the presentation addressing the first of two action items. This First item concerned a question by the NRC as to whether two NCRs written against a concrete pour were related to problems with U.S. Testing. A.S. Lucks stated that the governing specification for the concrete cylinders in question required that the forms be removed between 12 and 24 hours after placement or after 7 days. QC had not verified compliance with the requirement so MPQAD issued two NCRs against QC. This problem was not related to U.S. Testing.

The second action item concerned the status of the Stop Work Order review of change documents pertaining to soils. A.S. Lucks presented the status as of December 6, 1983. The breakdown is as follow:

- Total civil FCRs/FCNs related to soils - 856
- Phase I review of FCRs/FCNs indicating potential problems - 410
- Phase 2 review of the 410 Phase I documents that contain problems

- 208

A.S. Lucks indicated that the most significant result as of December 6th. was that no NCRs have been issued for the soils area from either Phase 1 or Phase 2 reviews. The Assessment Team along with the CIO Team are reviewing the Phase 1 product. This review has not been completed and there are no Assessment Team conclusions to date. Mr. Wells confirmed the soils figures and added that 8 NCRs had been written so far for the total effort. These relate to questions of generic implementation.

W.E. Kilker opened his presentation by indicating that, due to the Stop Work Order no construction progress had been accomplished on the underpinning. A summary of the Assessment Team activities during the period November 5 through December 6, 1983, follows :

- A review of crack monitoring procedures and activities of the subcontractor Wiss, Janney & Elstner (WJE) was the major Assessment Team effort during this time. The review results indicated:
 1. Minor data recording problems.
 2. A procedural violation where the subcont. act used a procedure with a hold indicated on it. The related specification did not have a corresponding hold on it. NIR 16 was issued.
 3. Incomplete entry of crack monitoring data for a particular wall. NIR 18 was issued.

4. Prior to the Assessment Team review, NCRs and QARs had been issued against WJE for procedural violations. An Assessment Team observation stated that not enough attention was given by Consumers Power Company (CPCo) in performing the crack mapping.
5. More attention should be paid to coordinating procedure changes with specification changes and vice versa.
6. The MPQAD group follow-up for closing out inspection reports should be more prompt. No PIPRs had been issued for the crack monitoring. NIR 19 was issued.

In summary, three NIRs (16, 18, 19) and numerous NCRs and QARs have been written concerning data on this subject. They require resolution prior to continuing construction upon release of the Stop Work Order. The data itself is basically sound and should not be voided. Problems were mainly procedural, for example, attention to minor details and timeliness for closeout. Mr. Harrison stated that the NRC has issued a document to Mr. Quamme dated December 6, 1983, placing a hold on soils work until this issue is resolved.

● An overview of FSO prepared Work Activity Packages (WAPs) by the Assessment Team continued. Two overviews were conducted, one on Piers E/W5 and grillages and the other on anchor bolt installation in the Service Waste Pump Structure. Mr. Landsman asked that in the future weekly reports, the subject of the WAP be identified along with the WAP number. W.E. Kilker agreed.

- The Assessment Team commitment to review past weekly reports for open items with closures that may not have been fully documented, has been completed. All open items identified as requiring verification of closure have now been closed.
- The last activity was summarized by A.S. Lucks concerning the S&W review of FCR/FCN resolution.

The status of NIRs is as follows:

- NIR 14 is in the process of being closed on the basis of a response that has been prepared by MPQAD. This NIR indicated that the receipt inspection did not properly identify a certain grade of nut to be used with particular bolts on the grillages at Pier 8. A programmatic investigation produced a revision to the receipt inspection procedure that now requires a 100 percent inspection where before it was done on a sampling basis. PQCI will verify that the nuts actually installed are those specified on the drawing. On this basis the NIR will be closed.
- NIRs 16, 18, and 19 have been previously addressed in the discussion of crack monitoring.
- NIR 17 addressed the Phase 1 review of the change document that is being conducted as a result of the Stop Work Order. Later dialogue indicated that the MPQAD review was preliminary and did not match the Assessment Team interpretation of the applicable procedure. The procedure was changed to clarify this point. The affected FCRs were disposed of in accordance with the Assessment Team interpretation and the NIR was closed.

W.C. Craig opened the summary of the Assessment Team report " Evaluation of Change/Nonconformance Documents" by explaining that the report was initiated due to Assessment Team's concerns expressed in Weekly Reports 40, 43, and 46, about the time it was taking to construct piers.

A familiarization process was conducted where Mr. Craig took the following actions:

- A review of design drawings
- Visits to the site and work areas
- Attendance at appropriate meetings
- An evaluation of change and nonconformance documents to establish trends
- Review of governing procedures
- An evaluation of the organizational structure for processing the change and nonconformance documents.

The results indicated that the effect of FCRs and FCNs on construction warranted further investigation.

An analysis of change/nonconformance response times was performed using a large sample of the documents. They were classified to show impact by subject matter. The results indicated that although response times in general, looked good on a day to day basis, the unique importance of sequencing to underpinning efforts magnified the effect on the construction schedule.

The recommendations that resulted from this study were then presented.

Recommendation No. 1

A program implemented to review both existing and new construction procedures,

project quality control instructions, and project specifications should receive a high priority. This effort should:

- define poor quality attributes,
- ensure that activities are more consistent with the
- intent of the specifications,
- clarify quality requirements
- define better utilization of technical resources in achieving quality goals.

Response to Recommendation No. 1

The Bechtel Field Soils Organization (FSO) presented a proposal for the QAP review program to CPCo. management. The generic concept of the QAP review program was accepted by CPCo management. CPCo's management assigned the lead responsibility of this activity to MPQAD and established a Task Force approach involving a full committee and subcommittee.

The Task Force committee established guidelines as follows:

- a. Select subject for a pilot review program
- b. Develop guidelines for the subcommittee
- c. Identify subcommittee representatives
- d. Schedule activities
- e. Review subcommittee recommendations
- f. Make recommendations to management.

The subcommittee reviewed installation of Hilti Expansion Anchors and covered the PQCI, Construction Procedure, and the specification and made recommendations to the Task Force committee regarding proposed revisions to these documents.

A second procedure covering structural steel was selected for review. After the review of the second procedure is completed, the subcommittee will make further recommendations to full committee.

The final extent of this effort and the decision to review other procedures is contingent upon the recommendations that will be made to CPCo's management by the Task Force committee after the completion of the review of the second procedure.

Recommendation No. 2

Expedite the underpinning design work so that the associated design calculations and drawings may be transmitted to the job site along with necessary technical support. This will expand the ability of the Resident Engineer to approve the change or non-conformance documents in the shortest time possible. Maximum engineering support at the jobsite would assist with problems encountered with this type of work.

Response to Recommendation No. 2

The design calculations for the Borated Water Storage Tank were delivered to the site as of November 2, 1983.

The design calculations for the Service Water Pump Structure will be delivered to the site in two phases. An initial review of the proposed delivery dates coincides appropriately with the construction activities.

The design calculations for the Auxiliary Building, with the exception of computer calculations or extremely complex calculations, will be delivered to the site in three phases. An initial review of the delivery schedules indicates that they coincide appropriately with the construction activities.

These calculations will also be supported with additional design personnel

assigned to the jobsite.

The Resident Engineering Soils Organization has been reorganized and an additional Group Lead dedicated to the handling of FCRs, FCNs and design-related NCRs and vendor drawings has been assigned. Seven additional designers have been assigned to this organization.

Bechtel has issued a memorandum covering the reorganization of the Resident Structural Engineering Soils Group, assignments of increased responsibility at the jobsite, and the goal of having the capability for 80 percent final approval of change documents at the jobsite.

Technical support is currently onsite for the engineering consultants of Hanson Engineering Inc. and Mueser, Rutledge, Johnston and DeSimone.

Recommendation No. 3

FCRs should receive final approval by the Project Engineer shortly after interim approval has been granted.

Response to Recommendation No. 3

Bechtel procedure entitled " Field Change Request/Field Change Notices, PEP No. 4.62.1, Rev. 1, dated December 2, 1983 has established time intervals from interim to final approval of FCRs and FCNs. An expected approval time, a maximum approval time, and an overall approval time for initiation to final approval have been stipulated.

This procedure also establishes guidelines for the updating of drawings and covers this in terms of all change documents and specifies a maximum time for updating drawings from the issuance of the first document and a maximum time after the issuance of a fifth document.

The response time will be improved with the delivery of the calculations to the jobsite, increase in the staff of the Resident Structural Engineering Soils Group and its reorganization as described in the Responses to Recommendations No. 2.

Bechtel has also instituted a review for drafting completeness on the change documents in order to expedite the turnaround time on drawing update.

CPCo. proposes to phase out the use of interim approval on the FCRs and FCNs and expects to implement this in the first quarter of 1984.

Recommendation No. 4

NCRs should have trend analysis performed which relate the number of NCRs to the level of construction effort. Also, the NCRs should be classified by subject, and this should be issued and reviewed to assist in providing an indicator to problem areas.

Response to Recommendation No. 4

Bechtel performed a one-time study of NCRs that relates the NCR to the construction effort in terms of man-hours. This study indicated a direct correlation between the number of NCRs issued and the level of effort in terms of man-hours that was being expended. However, no trending of quality can be made from this study.

Bechtel has entered all of the NCRs in a computerized logging system that permits the NCRs to be sorted by date, subject matter, response time, and other attributes.

The FSO has developed and is using an NCR evaluation form which will review each NCR issued and determine if there is a need to take corrective action

on the methods used to accomplish the work. The FSO is also performing a detailed evaluation of all NCRs related to welding.

MPQAD is developing a trend analysis system to be applied plantwide that will evaluate the total number of attributes against a number of unsatisfactory attributes versus time for each activity and attribute. It is expected that this new trend analysis will be implemented in the first quarter of 1984.

Recommendation No. 5.

It is important that Bechtel continues to strive to reduce the response time on critical NCRs that could delay the work.

Response to Recommendation No. 5

The FSO will continue to identify and status critical NCRs at the weekly Engineering/Construction meetings which are attended by AAPD Project Engineering, Resident Engineering, Field Engineering, MPQAD, SMO, and the Independent Assessment Team.

The Resident Engineering Soils Organization has been expanded with additional personnel onsite who have specific responsibility and authority to disposition design-related NCRs. This should reduce the current response time and minimize the response time on priority NCRs which could impact the progress of the work.

Bechtel will continue to give priority to the NCRs being reviewed by MPQAD.

Mr. J. Mooney and Mr. R. Wells then provided the following responses to the five items requiring CPCo action from the November public meeting.

1. Compare the findings of the MPQAD audit of U.S. Testing with results of Field Engineering's evaluation.

The primary purpose of the Field Engineering evaluation of U.S. Testing was conducted with the goal of assessing management, staffing, and ability to meet project demands. It was not an audit directed at identifying non-conforming programmatic QA requirements. However, CPCo compared the results of the Field Engineering evaluation with the MPQAD and confirmed that the Field Engineering evaluation observations had not identified non-conforming items that had been missed by the MPQAD audit. U.S. Testing has continued to make progress in improving their operation and a new manager, Mr. Lawrence Smetana is on site.

2. Evaluation of the concrete work truck mixer drum rotation problem. Several discussions have been held between the NRC Region III Staff since the November public meeting. CPCo now understands what is required to resolve the problem. CPCo will provide a response on this item to Region III within the next several days.

3. Transfer of the lessons learned from the Auxiliary Building underpinning to the Service Water Pump Structure underpinning.

A task force has been formed to review the auxiliary building underpinning activities. The task force is compiling a matrix of lessons learned which will be used to review the underpinning for the Service Water Pump Structure. The matrix is scheduled for completion by December 16, 1983 and the review has a targeted completion day of January 30, 1984.

4. QC inspection of non-structural welding on Q materials

Based upon review of the QC inspections of non-structural welds, it was determined that when the QC inspectors were verifying the welding engineer's sign-off on non-structural welds, they have been reinspecting the welds for possible damage to base Q materials

even though this was not required by the PQCI. This was verified by 100 percent interview of the QC inspectors. However, there was one exception, the tack welding of jackstand guides to pier baseplates was not inspected by MPQAD. In this case, reinspection has found that the welds are satisfactory. The PQCI will be modified to require that this aspect be documented in future.

5. Crack mapping problems

An extensive review of the crack mapping program has been undertaken. Problems were identified with respect to procedural attributes, specifications, and timeliness of reporting and review. Several NCRs and QARs were issued. On November 30, 1983 a status report was provided to Region III and the specific corrective actions were documented in a letter to Mr. Harrison dated December 2, 1983. All corrective action will be accomplished before work resumes.

Mr. Landsman asked whether the revised procedures would be under level 3 approval. CPCo replied that they would be Level 1. Mr. Landsman and Mr. Harrison also expressed concern that the QA overview had not been performed for an activity that had been ongoing for some 2 years. CPCo pointed out that the overview requirements had only been in existence for some 10 months, but they realized that this function had been missed. The corrective action will be taken to prevent recurrence.

This concluded the presentations at which point Mr. Harrison stated that the status of the required actions from the November meeting are:

- S&W actions--all items closed

- CCo actions -- Items 1 and 4 closed, with the other items remaining open

Questions and Answers

Mr. J. Harrison and Dr. R. Landsman asked several questions concerning items included in Assessment Team Weekly Reports Nos. 59 through 62:

1. Could Stone & Webster elaborate on Item 59-18 that refers to a hold on a crack monitoring procedure? The part of the Wiss, Janney and Elstner crack mapping procedure dealing with crack monitoring after the loading of the E/W8 grillages was designated as being on hold. The crack monitoring was performed using this procedure. The specification did not indicate that there should have been a hold. The crack monitoring was completed at the appropriate time but the hold was still indicated in the procedure. NIR No. 16 was issued because of this.
2. On page 2 of Weekly Report No. 59 it is mentioned that the review of Weekly Reports No. 30 through 59 identified 8 items that required verification of closure. Were these included in the open item list? Yes. The correct number was 5 items.
3. Item 59-5 indicates that the 4 hour time requirement for reporting two new 10 mil cracks at the SWPS was exceeded by a large amount (18 days). The NRC stated that action must be taken to avoid such delays in the future. The initial report was made some 2 days after the cracks were noted but the data sheets were illegible and this resulted in the long delay in noting the alert level.

4. Item 59-13 reports that the Assessment Team received strength test results for the plasticized concrete mix design. Did the Assessment Team state whether they were satisfactory? No, the results were requested for information only.
5. Item 59-16 indicates that the SWO was revised to allow the processing of interim approved FCRs and the completion of the SWPS/CWPS seals. Why was this action taken? The interim approved FCRs had to be processed so that they could be included in the SWO corrective action. The work on the SWPS/CWPS seals was a maintenance type item.
6. Item 59-17 mentions two NCRs on Carlson meter concrete curing at Pier W8. Was Pier W8 loaded with open NCRs? The NCRs were written based upon a QA Overview of Inspection Reports. Pier 8 was completed during the summer and the QA overview of old Inspection Reports was conducted during November. Therefore, these NCRs were not issued when the pier was loaded. CPCo will respond to this item at the January public meeting.
7. Item 59-6Q identifies a welding consultants report that was given to the Assessment Team. What were the contents of the report? The welding consultant was retained by MPQAD to review the welding inspection because there had been a number of NCRs issued in this area. The consultant, Mr. Svekric of Welding Consultants, reviewed the welding procedures and the inspections. The consultant concluded that the number of NCRs were related to the type of welds being performed and that the level of inspection was appropriate.

8. Item 60-3 indicates that crack mapping was included in the SWO. Was that the case? Yes, initially the crack mapping was stopped. Two days later it was exempted from the SWO.
9. Item 60-3Q identifies a mechanism for identifying Quality concerns. Could CPCo elaborate on this item? MPQAD has A new procedure to obtain information or clarifications is now used to replace the old QAR procedure. The new procedure is entitled " Request for Information/Action."
10. What does the last sentence of Item 60-4Q mean? The inspection of structural welds is not accomplished by the same procedure as nonstructural welds. In the case of structural welds, QC does all of the inspection.
11. On page 1 of Weekly Report No. 61, the Assessment Team reviewed a sample of the classification of change documents being reviewed as part of Phase 1 of the SWO corrective action and found one-third did not meet the procedural requirements. Could this be elaborated upon? The batch of change documents supplied to the Assessment Team had not been subjected to the complete review process thus resulting in the high percentage of problems.
12. Is the Assessment Team finding that the Work Activity Packages (WAPs) submitted for review are in better shape than they were, say, a year ago? What is the turn around time? Yes, there has been improvement. The turn around time is about a week, but

there are reviews that take longer.

13. Weekly Report No. 61 indicates that Assessment Team questions on WAP-59 are still open. This WAP has been authorized by the NRC. Why are Assessment Team questions still open? Originally, the Assessment Team did not have any comments on it. After the work was authorized, the Assessment Team did submit questions. Additional information on this item should be presented at the January public meeting.
14. Item 61-3 deals with the wedging of the E/W8 bulkhead lagging. Could this be explained? The Assessment Team had previously discussed the need for full bearing of the lagging on the soldier pile flanges. FSO had agreed to make an addition to the drawings to address this concern. However, this was one of the items identified from the review of previous open items, as still requiring action. The Assessment Team had originally inspected the lagging and had found it to be properly wedged.
15. Item 61-9 states that there is not a settlement criterion for the rejack and lock-off for the E/W8 grillages. Should there be an acceptance criteria for settlement? There is an acceptance criteria for settlement when rejack is required due to relative movement between a pier and the building. The rejack discussed in 61-9 was required by an alert level in the steel column that transfers the load from one end of the grillage beams down into the containment building mat. Under this condition there is not a criteria for settlement. The Assessment Team has not evaluated this requirement but will do so and will be prepared

to discuss it at the January public meeting.

16. Item 61-11 mentions that Bechtel issued a memorandum giving instructions relative to the rotation of concrete truck drums. The NRC restated their concern with respect to the past use of memoranda to correct problems. It was pointed out that in this case there had not been any procedural violations that required correction.
17. Item 61-15 deals with the control of the consistency of bentonite slurry. Does the Assessment Team believe that requirements with respect to slurry consistency should be included in the procedure? Work covered by this procedure has been completed (removal of 36 inch diameter casings). In the case of the use of slurry for soldier pile installation, the procedural requirements are adequate. The NRC stated that if in the future additional slurry operations are required, consistency requirements should be included in the necessary procedures.
18. Is Item 62-2 dealing with the response time with respect to the review of crack mapping data still open? Is Bechtel's issuance of a memorandum the only action being taken? Yes, it is still open. Procedural changes are also being required to address this problem. The NRC again expressed concern with respect to the possible over-reliance on memoranda.
19. With reference to the Management Review Team's trip report that is attached to Weekly Report No.62, is CPCo planning to address their comment.

In particular what efforts are being undertaken to reduce the time for which areas of the building remain unsupported during underpinning construction? The following steps have been taken: more road map meetings are being held prior to major activities so that everyone understands what is necessary; the availability of required materials is being reviewed prior to the start of construction operations. It is CPCo's goal to make progress in this area.

Required Action

The following actions are required by the Assessment Team:

1. In future Weekly Reports, Work Activity Package titles will be included along with the Work Activity Package number.
2. The Assessment Team will evaluate the need for a settlement criterion when rejackng of the E/W8 grillages is required by alert strain levels on the steel columns that bear on the containment mats.
3. At the January public meeting, explain why there are still Assessment Team questions open on Work Activity Package No. 59 (Refer to Item 13).

The following actions are required by CPCo:

1. Action must be taken to avoid delays in reporting alert level cracks (Refer to Item 3).
2. At the January public meeting, provide information on timing of two NCRs on Carlson meter concrete form removal (Refer to Item 13).

The following items remain open from the November meeting. CPCo required action.

3. Evaluation of Concrete Mixer Drum Rotation
4. Transfer of Lessons Learned in Auxiliary Building Underpinning to SWPS underpinning.
5. Crack Mapping Problems.

MINUTES OF THE MEETING ON DECEMBER 8, 1983

STATUS OF CONSTRUCTION IMPLEMENTATION OVERVIEW (CIO) PROGRAM

Purpose

To discuss Third Party Overview activities of Stone & Webster (S&W) and problems encountered regarding the Construction Completion Program (CCP) during November 1983.

Summary

Mr. R. G. Burns, Assistant S&W Corporate Quality Assurance Manager, outlined the classification and tracking system for items identified by the CIO and Remedial Soils Programs. Key points follow:

- The system has two major categories - Tracked Items and Untracked Items. Tracked Items are further divided into three subcategories - Action, Information, and Recommendation.
- Tracked Items require the completion of appropriate steps before the items are closed. Tracked Action Items will be closed when completed corrective measures are verified. Tracked Information and Recommendation Items will be closed when replies are received. Based on the importance of the items and confidence established by the replies, items could be closed at that time, kept open until corrective measures are verified, or kept open until amplifying information is provided. Information and Recommendation Items that are closed before all steps are accomplished, will be reviewed periodically to ensure that commitments are met before the items are retired.
- Untracked Items are general in nature and not conducive to tracking. These items will be documented in CIO weekly reports and reviewed periodically to monitor changes in status. Changes will also be included in weekly reports.

- Items identified to date will be reclassified in accordance with this new system.

Mr. A. P. Amoruso, Project Manager for the CIO Program, presented a summary of Program activities for November 1983. Three main topics were covered:

- Assessment Activities

The stop-work orders involving concerns about the control of design changes remained in effect during November. Since these orders prevented starting the statusing and verification parts of the CCP, assessment efforts continued to be focused on monitoring management meetings, checking the progress of teams to be used in carrying out the statusing phase of the CCP, and evaluating training programs. Fifty-three management meetings were monitored. Management direction at these meetings appeared appropriate. Some 480 hours were expended monitoring the development of commodity lists for use in statusing and verifying conditions in the plant and monitoring training being given members of CCP teams to standardize assessment terminology. Procedures used in developing the commodity lists proved adequate and the training designed to standardize terminology met objectives. Four training presentations followed prescribed lesson plans and effectively conveyed key information.

In two of the three areas outside the CCP but within the scope of the CIO; namely, the Nuclear Steam Supply System and Heating, Ventilation, and Air Conditioning (HVAC) programs, assessment opportunities continued to be limited during November due to the lack of significant activity in those programs. For the Spatial System Interaction Program (SSIP), the third area, the analyses of twelve interactions were witnessed and found to be in accordance with Program requirements.

CIO Items, Nonconformances, and Hold Points

Five CIO items were identified during November. Two of the items were discussed during the last meeting. Topics covered by the items follow:

- Administrative discrepancies in the training records of construction support groups.
- Discrepancies in training levels of the Construction System Team Training Matrix.
- Missing isolation spacers for galvanic protection of copper pipes in galvanized steel supports in the non-safety related Instrument Air System.
- Request for confirmation that field change notices will no longer be issued for safety items.
- Damage to cable jacket from protruding nails in boards lying in a cable tray.

Checks for the document that specified isolation spacers for the Instrument Air System produced only an interoffice memorandum. Because memorandums may have also been used to promulgate work instructions for safety related systems, a new item is being opened requesting that Consumers Power Company (CPCo) ascertain that this is not the case. This item will be discussed at the next meeting.

One item was verified corrected and closed during November. That item addressed discrepancies in the training records of quality assurance and quality control personnel.

Three nonconformances identified by the CIO Program remained open. The three address administrative deficiencies in training records.

Six hold points established by the CIO Program remained open. These included the following:

- Development of a Vendor Equipment Verification Program before the start of Phase II of the CCP.
- Evaluation of the Management Review of the results of Phase I activities before the start of Phase II of the CCP.
- Correction of Training Records for Construction CCP Teams before people involved are used in the statusing part of the CCP.
- Correction of Training Records for Construction Support Groups before people involved are used in the statusing part of the CCP.
- Upgrading the level of training in five elements of the Construction System Team Training Matrix before people involved are used in the statusing part of the CCP.
- Verification of Phase I and II evaluations of the FCR/FCN Review before Stop-Work Orders are lifted.

Highlights of November

◦ Classification of CIO Items

The 37 items identified by the CIO Program through November have been reclassified in accordance with the new system described at the beginning of meeting by Mr. Burns. In the new system, seventeen items are in the Tracking Action category, sixteen are in the Tracking Information category, and four are in the Tracking Recommendation category.

Seven of the 37 items are open. Six of these are in the Tracking Action category and one is in the Tracking Information category.

◦ Quality Assurance Department Training Records

Four CIO nonconformances addressed administrative deficiencies in the training records of Quality Assurance Department personnel. Corrective action was taken by the Department. The effectiveness of this action was verified by the CIO, and the nonconformances were closed.

◦ CIO Staff

The CIO staff has increased to 29 in anticipation of the start of CCP statusing and verification. Additional people will be brought in and the mix of disciplines varied as the actual verification load dictates.

Action Items from Last Meeting

- Mr. Burns, S&W, presented the new system for classifying and tracking items at the beginning of the meeting. The summary of the re-classification of CIO items in the new system was presented under Highlights of November.
- Mr. R. A. Wells, CPCo, discussed when inaccessible items would be evaluated. The items will be evaluated during Phase I of the CCP. Concern about when such items would be evaluated came from a statement made at a Verification and Status Assessment meeting that was included in a CIO weekly report. That discussion addressed procedures that might be used if Phase II was started before Phase I finished. Mr. Wells stated that CPCo understands their obligation to obtain NRC approval if clarification or a change to the CCP is needed. Mr. J. J. Harrison, NRC, stated that the CPCo staff had recently given a comprehensive presentation on their program for inaccessible items which he thought was a good system.

Questions and Answers

- Mr. R. N. Gardner, NRC, asked if actions being taken to correct the specific training deficiencies identified by the CIO will be applied to all people who will be used in Phase I of the CCP.
Mr. D. L. Quamme, CPCo, stated that training required for each person will be assured before that person starts work.
- Mr. J. J. Harrison, NRC, asked what category in the new system would the issue concerning welding criteria in PQCI's fall into. The issue was discussed at the last meeting. Mr. Amoruso, S&W, stated that the item was a Tracking Recommendation.
- Mr. R. Cook, NRC, asked if discrepancies in the training program were all programmatic. Mr. Amoruso replied that the discrepancies were administrative.
- Mr. Harrison asked if the CIO had an opinion as to whether the action taken by the Quality Assurance Department concerning disposition of the nonconformance report on an arc strike on a fabrication produced at the Standish Fabrication Plant was proper. The item was contained in a CIO weekly report. Mr. J. C. Thompson, S&W, stated that the action was proper. The arc strike had occurred at the fabrication plant and was detected and reported by quality control personnel. Since the defect had been detected by quality control personnel, preventive action was a construction responsibility.
- Mr. Harrison asked if the discrepancies found in codes on the construction training matrix were similar to those that were discussed at a management review meeting in July. Mr. Wells stated that action believed appropriate in July was taken but now a different opinion is being given on the correctness of those decisions.

- Mr. Harrison asked CPCo to check into the issue to see if the problem is recurring.
- Mr. Harrison asked if the six interactions reviewed by the CIO and included in a CIO weekly report were satisfactory. Mr. Amoruso stated that the interactions were satisfactory.
 - Mr. Harrison asked about turnover packages between field engineers and test engineers. Mr. Quamme stated that the packages contain documentation and turnover exceptions that construction considers complete for test operations. Test engineers walk down the systems to verify that the documentation agrees with existing conditions. Errors have appeared in some of these packages, and steps have been taken to correct the problem. One of the steps is to submit preliminary packages for review.
 - Mr. Harrison asked if the relocation of 500 pipe hangers that will require reinspection was due to rework. Mr. Wells stated that the relocations are due to rework.
 - Mr. Harrison asked when the revision of the training matrix would be completed since an item in a CIO weekly report indicates that CCP team members will require additional training when that revision is promulgated. Mr. Quamme stated that the revision will be completed by January 15th. Special instructions have been issued to cover people who have to be put in the field before that date.
 - Mr. Harrison asked if a procedure covers the routing of nonconformances when they are returned from Ann Arbor since an item in a CIO weekly report states that the nonconformances are being returned directly to the initiator bypassing the formal routing sequence. Mr. Wells stated that the comment in the CIO report referred to coordination needed in the routing process with CCP teams. A discussion on whether the routing problem was a nonconformance ensued, and the CIO was asked to resolve the issue.

- ° Mr. Gardner asked for clarification on why the CIO had delayed the review of field change documents that had been processed under the field change review program. Mr. Amoruso stated that the CIO review had been originally scheduled before the verification by the Quality Assurance Department. The review was rescheduled after the verification. This change was considered consistent with the CIO objective of ensuring that the Quality Assurance Department carries out their responsibilities properly.
- ° Mr. Harrison stated that a protocol infraction by the CIO had been outlined in a CIO weekly report. The infraction involved sending a copy of the transcript of the last meeting to CPCo and Bechtel but not to the NRC. Corrective action was considered appropriate.
- ° Mr. Harrison asked for clarification of a statement in a CIO weekly report that Groups I and II were not preparing for status assessment in the same way Group III was. Mr. S. W. Baranow, S&W, stated that Group III had been undergoing mockup training to standardize assessment terminology. A later report mentions that Groups I and II have since conducted similar training.
- ° Mr. Harrison asked what was going to be done with field control changes since an item in a CIO weekly report stated that field control notices would no longer be used for safety related work. Mr. Wells stated that initially after lifting stop-work orders, there would be no field control notices for safety related work. Later, after the change process has been reviewed by project engineering, a new program will be developed. This program will be more limited as to when a field change notice can be used and will only require approval of project field engineering.

- Mr. Harrison asked about the walkdown of systems to identify low alloy quenched and tempered steel (LAQTS) bolts. Mr. Wells stated that the effort to identify LAQTS bolts has been ongoing for over a year. The bolts have to be checked for hardness because of an industrial problem involving the control of hardness testing. Since all the LAQTS bolts in the plant may not have been located, statusing will be used to assist in that effort.

Action Items

- CIO resolve whether CCP teams are having a problem receiving the dispositions of nonconformances and, if a problem does exist, whether the cause is one of routing, coordination, or a procedural noncompliance.
- CPCo present at the January meeting the background on training level codes used in construction training matrices.



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

December 14, 1983

Mr. D. L. Quamme
Consumers Power Company
Midland Nuclear Plant
3500 E. Miller Road
Midland, Michigan 48640

PRINCIPAL STAFF		
✓ RA	<i>See</i>	DPRP
D/RA		DE
A/RA		DRMSP
✓ RC	<i>See</i>	DRMA
PAO		SCS ✓
SGA		ML
INF		File <i>See</i>

orig 3

Subject: Docket No. 50-329/330
Midland Plant - Units 1 and 2
Overview of the Construction
Completion Program
Serial No. SWMCP-004

Phase I and Phase II reviews of the Architectural FCR/FCNs have been completed and considered acceptable by CIO as meeting the requirements of FID-2.400 Rev. 3, Review and Resolution Program.

Sampling was performed on the MPQAD 100% verification of line 9 Phase I activity and of 100% MPQAD verifications of line 15 Phase II activity of the Generic Schedule for Resolving Stop Work Orders.

Sampling inspections were performed of controlled stick drawings at Stations 14, 48 a, b and d and 55. They were considered satisfactory and acceptable.

The Hold Point established by CIO for completion of Phase II activities in the Architectural discipline has been lifted.

This letter lifting the Hold Point, confirms my conversation with Mr. N. Riechel, CPCo, on December 13, 1983.

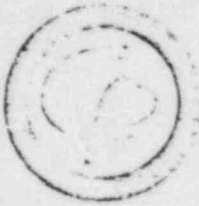
Very truly yours,

S. W. Baranow
Program Manager

SWB/fs

- cc:
- JGKeppler, US NRC Glen Ellyn, IL
 - ✓ JHarrison, US NRC Glen Ellyn, IL
 - RJCook, US NRC Midland (site)
 - RAWells, CPCo Midland (site)
 - RBKelly, S&W
 - APAmoruso S&W

SWB/2280175



CONSUMERS
POWER
COMPANY

Dean L. Quamme
Site Manager
Midland Project

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

December 13, 1983

Mr S W Baranow
Stone & Webster Michigan, Inc
P O Box 1963
Midland, MI 48640

PRINCIPAL STAFF		
RA	<i>for</i>	DPRP
D/RA		DE
A/RA		DRMSP
RC		DRMA
PAO		SCS
SGA		ML
ETP		File

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MIDLAND ENERGY CENTER GWO 7020
CIO OBSERVATIONS 36 AND 37
File: B1.1.7, 0655 UFI: 53*50*04, 99*08 Serial: CSC-7081

Attached is our partial response to observations 36 and 37 which were identified in your Report No. 24. As indicated, further information will be provided on these issues.

Dean L. Quamme

DLQ/DDJ/klp

cc: RAWells, MPQAD w/a
NIREichel, MEC w/a
BHPeck, MEC w/a
RJCook, NRC w/a
JGKeppler, NRC w/a
JJHarrison, NRC w/a

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DEC 13 1983

CONSUMERS POWER CO.
RECEIVED

DEC 04 1983

Site Mgr.
Midland Project

Consumers Power Company
P.O. Box 1963
Midland, MI 48640

Attention: D.L. Quamme

DLQ
JTF
J.P.
V.L.
T.B.
H.L.
R.S.
S.V.
J.F.
K.L.
A - <i>[Signature]</i>
M.L.N.D.
J.F. - U.F.V.

Bechtel Power Corporation

Post Office Box 2167
Midland, Michigan 48640



December 9, 1983

Job 7220 Midland Project
CONSTRUCTION REVIEW OF STONE &
WEBSTER'S CCP OVERVIEW REPORT
NO. 24
ECCC-8802

Dear Mr. Quamme:

Construction's review of Stone & Webster's Overview Report No. 24 identified two (2) open (Construction) action items, specifically Nos. 36 and 37.

Detailed below is our partial response to the subject observations.

Obs. No. 36

Discussion between Construction's Site Quality Department, Stone & Webster and CPCo SMO has revealed that this observation as written is incorrect.

Per Stone & Webster's J. Barr on December 9, 1983, this observation will be revised and resubmitted in S&W's report No. 26.

Construction will address the revised observation upon receipt of S&W's report No. 26.

Obs. No. 37

NCR C00925 referred in this observation has been dispositioned. The disposition is in the process of being implemented. Please note that the as stated condition in S&W report No. 24 is not the same as the condition stated in the NCR.

Disposition implementation is projected for completion on or before December 14, 1983. Further correspondence on this subject will be forwarded to you on or before December 21, 1983.

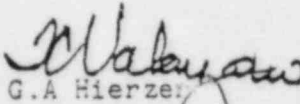
In reference to the above NCR, T.C. Valenzano issued the attached memo (0-6866, dated 12/7/83) directing the field for strict adherence to housekeeping procedure.

D.L. Quamme
ECCC-8802
Page 2

Bechtel Power Corporation

If you have any questions concerning the above, please contact B.T. Foote
at Ext. 7507.

Very truly yours,

for 
G.A. Hierze
Site Manager

GAH/BTF/lcc
GAH/MAD/BTF/lcc

Attachment: Stone & Webster's Observations

Bechtel Power Corporation

Inter-office Memorandum

To All Superintendents/General Foremen

Subject Job 7220 Midland Project
GENERAL HOUSEKEEPING
0-6866

Copies to Distribution

Date December 7, 1983

From T. C. Valenzano

Of Field Construction

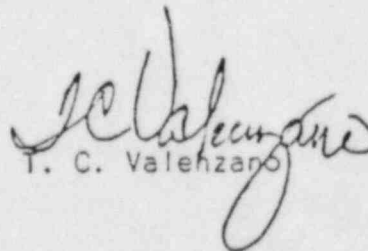
At Midland, Michigan

Recently, an NCR (#C00925) was written because two (2) boards with protruding nails were found lying in a "Q" cable tray. This condition resulted in damage to the "Q" cable in the tray.

Through various means of communications such as memos, tool box meetings, training and superintendent/general foremen meetings, housekeeping is continually stressed. Therefore, there is no excuse for the neglectful condition that initiated NCR #C00925.

In order to prevent damage to plant equipment, it is essential that we maintain good housekeeping. This practice is the responsibility of everyone on the project. As supervisors, it is your responsibility to make sure that the people under your supervision are conforming to housekeeping procedures.

Your cooperation and immediate attention to this concern will be appreciated.


T. C. Valenzano

TCV/~~TCV~~/ljg

Distribution:

G. Hierzer
R. Cote
M. Dietrich
F. Haluska
T. Robertson
S. Estlack
J. Reinsch

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
034	NIR 008 Issued on November 14, 1983 to address five unsatisfactory conditions observed during the review of 50 training levels assignments in the System Team Training Matrix of the Construction Training Program.	Report No. 22 11/14/83		Open	
035	C10 observed that dielectric isolation spacers for galvanic protection of copper pipe to galvanized steel pipe supports were missing in some areas on this system, Small Bore (Instrument Air) KAC Systems, drawing FSK-J-30-0220 Sheet 2 Rev. 7.	Report No. 22 11/14/83		Open	
036	At team meeting of teams 26 and 27 held on November 22, 1983, a decision that FCNs would no longer be issued for "non-Q" items was discussed. The method for controlling changes has not been finalized.	Report No. 24 11/29/83		Open	
037	C10 observed that two boards with protruding nails lying in Cable Tray 1AKA019 (Q Tray) had punctured the cable jacket of a "Q" cable. The cable is Q-channel A, 480V. MCC. NCR C00925 was issued by MPQAD on November 22, 1983. C10 will track this item to assure that corrective action (repair) has been performed to approved procedures.	Report No. 24 11/29/83		Open	



Consumers
Power
Company

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

December 13, 1983

Mr Stan Baranow
Stone and Webster
Midland Nuclear Plant Project
Trailer 186
3500 E Miller Road
Midland, MI 48640

MIDLAND ENERGY CENTER PROJECT -
TRANSMITTAL OF PQCI's
FILE 24.2 SERIAL 27235

This will confirm the transmittal of reference copies of the following document to Stone and Webster, as listed below:

C-8.51	Rev 4	CN#AA-00128	Revised Effectivity Date
C-8.51	Rev 4	CN#AA-00131	
C-8.51	Rev 4	CN#AA-00133	
C-8.50	Rev 13	CN#AA-00132	
C-8.50	Rev 13	CN#AA-00134	

J. A. Pusey / law

G F Ewert, Division Head
Quality Services
Midland Project Quality Assurance

GFE/JAP/djh

CC JRKepler, NRC Region III Administrator
DLQuamme, SMO
RAWells, MPQAD

8312280206

OC0983-0001A-QL05



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

December 13, 1983

Mr. D. L. Quamme
Consumers Power Company
Midland Nuclear Plant
3500 E. Miller Road
Midland, Michigan 48240

Subject: Docket No. 50-329/330
Midland Plant - Units 1 and 2
Overview of the Construction
Completion Program
Serial No. SWMCP-001

PRINCIPAL STAFF	
RA	DRP
D/RA	DE
A/RA	DRMSP
PC	DRMA
PAO	SCS
SGA	ML
ENF	File

orig+3

Sample inspections of controlled stick drawings and FCR/FCN attachments were performed by CIO at the Document Control Stations Number 14, located in the Support Service Building, and Stations 48 a, b and d, located in the Area Teams 25 through 29 Building. The review was considered acceptable as meeting the requirements of FID-2.400 Rev. 3, Review and Resolution Program. Stations 14 and 48 a, b and d are considered satisfactory for start of QVP activities and Status Assessment.

NIR 009 was issued December 12, 1983, for rejection of the lot of drawings at Station 55. Corrective action had been accomplished by MPQAD. CIO verified that the missing drawing had been added to the controlled stick drawings, and performed a sample inspection of the drawings at this station. The review was considered to be satisfactory and acceptable in meeting the requirements of FID-2.400 Rev. 3, Review and Resolution Program.

As the corrective action had been completed on December 12, 1983, CIO will issue NIR 009 as closed on December 13, 1983.

Station 55 is considered satisfactory for start of Status Assessment, and QVP QC.

Very truly yours,

S. W. Baranow
Program Manager

SWB/fs

cc:

- ✓ JGKeppler, US NRC Glen Ellyn, IL
- JJHarrison, US NRC Glen Ellyn, IL
- RJCook, US NRC Midland (site)
- RAWells, CCo Midland (site)
- RBKelly, S&W
- APAmoruso, S&W

83122803

DEC 19 1983



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

December 13, 1983

Mr. D. L. Quamme
Consumers Power Company
Midland Nuclear Plant
3500 E. Miller Road
Midland, Michigan 48640

Subject: Docket No. 50-329/330
Midland Plant - Units 1 and 2
Overview of the Construction
Completion Program
Serial No. SWMCP-002

PRINCIPAL STAFF	
✓ RA	DPRP
D/RA	DE
A/RA	DRMSP
RC	DRMA
PAO	SCS
SGA	ML
ENF	File

orig+3

This letter supersedes my letter dated December 12, 1983, which was inadvertently addressed to Mr. G. A. Hierzer.

We have reviewed the records of Steve Babb and Pete Zagorin and find them to be acceptable for Status Assessment, subject to the conditions described below:

The Bechtel I.O.M. dated December 9, 1983, subject - "Statement of Policy, Training Records" is revised to reflect agreements reached with Bechtel personnel, to reflect Bechtel record keeping.

A draft of the policy as understood by Stone & Webster is attached to this letter.

If you concur with this draft, please formally issue it and upon receipt by C.I.O. we will release our hold on training with regard to the above named individuals.

If your understanding is different to ours, please contact S. Baranow in order that a meeting can be established and agreement reached.

Very truly yours,

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

SWB/fs
Enclosure

cc:
✓ JGKepler, US NRC Glen Ellyn, IL
JHarrison, US NRC Glen Ellyn, IL
RJCook, US NRC Midland (site)
RAWells, CPCo Midland (site)
RBKelly, S&W
APAmoruso, S&W

DEC 19 1983

8312780365



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

December 13, 1983

Mr. D. L. Quamme
Consumers Power Company
Midland Nuclear Plant
3500 E. Miller Road
Midland, Michigan 48640

PRINCIPAL STAFF			
✓ RA	<i>has</i>	DPRP	
D/RA		DE	
A/RA		DRMSP	
✓ RC	<i>has</i>	DRMAL	<i>orig + 3</i>
PAO		SCS	
SGA		ML	
ENF		File	<i>has</i>

Subject: Docket No. 50-329/330
Midland Plant - Units 1 and 2
Overview of the Construction
Completion Program
Serial No. SWMCP-003

Re: CPC Letter Serial #CSC 7080
Bechtel Power Company Training Records
Policy Statement

CIO has reviewed the subject policy statement, considers it satisfactory and in total agreement with the commitment made in a meeting held with representatives of CPCo, BPCo and CIO on December 6, 1983.

Very truly yours,

S. W. Baranow
Program Manager

SWB/fs

cc:

- ✓ JGKepler, US NRC Glen Ellyn, IL
- ✓ JHarrison, US NRC Glen Ellyn, IL
- RJCook, US NRC Midland (site)
- RAWells, CPCo Midland (site)
- RBKelly, S&W
- APAmoruso, S&W

83-12280-68

50-329/330

PRINCIPAL STAFF	
RA	DFRP
D/RA	DE
A/RA	DRMSP
RC	DRMA
PAO	SCS
SGA	ML
ENF	File

ST. STONE AND WEBSTER MICHIGAN, INC.
P.O. BOX 1963, MIDLAND, MICHIGAN 48640

DATE	12/13/83
J. O. NO.	14509
P. O. NO.	N/A
LTR. NO.	83-0002
REF.	N/A

VIA

DEAR SIRs:

THE FOLLOWING ARE ATTACHED: SENT SEPARATELY:

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

COPIES	PRINTS	REPRODUCIBLES	MICROFILM APERTURE CARDS
EACH OF			
<input type="checkbox"/> DRAWINGS	<input type="checkbox"/> SPECIFICATIONS	<input type="checkbox"/> NOTES OF CONFERENCE	
<input checked="" type="checkbox"/> DOCUMENTS			

STATUS	PLEASE NOTE	SENT FOR YOUR
<input type="checkbox"/> FINAL	<input type="checkbox"/> REVISIONS	<input type="checkbox"/> APPROVAL
<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> OMISSIONS	<input type="checkbox"/> COMMENT
<input type="checkbox"/> NO COMMENT	<input type="checkbox"/> ADDITIONS	<input type="checkbox"/> USE
<input type="checkbox"/> SUGGESTIONS AS NOTED	<input type="checkbox"/> CORRECTIONS	<input checked="" type="checkbox"/> INFORMATION
<input checked="" type="checkbox"/> APPROVED	<input type="checkbox"/> COMMENTS	<input type="checkbox"/> FILES
<input type="checkbox"/> APPROVED AS REVISED AS DEFINED IN SPECIFICATION	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> CONCURRENCE
<input type="checkbox"/> UNACCEPTABLE		

YOUR ATTENTION IS DIRECTED TO THE FOLLOWING:

RELEASED FOR: FABRICATION PURCHASE OF NECESSARY MATERIALS

PLEASE REVISE AND SUBMIT _____ PRINTS _____ REPRODUCIBLES _____ MICROFILM APERTURE CARDS.

PLEASE SUBMIT _____ PRINTS _____ REPRODUCIBLES _____ MICROFILM APERTURE CARDS OF DOCUMENTS DRAWINGS SHOP DETAIL.

PLEASE RETURN ONE COPY EACH OF THIS MATERIAL BEARING YOUR APPROVAL OR COMMENTS.

PLEASE ACKNOWLEDGE RECEIPT OF THIS MATERIAL BY SIGNING AND RETURNING THE ENCLOSED COPY OF THIS FORM.

WE TRUST THAT THESE NOTES ARE IN ACCORDANCE WITH YOUR UNDERSTANDING. IF NOT, PLEASE ADVISE US.

IMPORTANT SHOULD ANY REVISION TO DOCUMENTS OR DRAWINGS RETURNED HERewith INVOLVE A PRICE INCREASE, THE SUPPLIER MUST NOTIFY STONE AND WEBSTER PURCHASING DEPARTMENT WITHIN TEN (10) DAYS EVEN THOUGH A DEFINITE ESTIMATE CANNOT BE GIVEN AT THE TIME. OTHERWISE, THE PURCHASER WILL CONSIDER THE REVISIONS MADE WITHOUT COST.

CIO NIRs 002, 003, 004 and 009
the attached NIRs have been closed out

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

~~83-2280461~~

DEC 19 1983

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

PROGRAM MGR J. Baranow

DATE September 27, 1983

DATE October 3, 1983

CORRECTIVE ACTION BY:

MPQAD QAR NO. RT00005 & RT 00010

IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

All training records that were listed on forms not reflected by the requirements of B3M-1 were accepted since the incorrect forms had all the information required with one exception. The one exception does not apply to the electrical inspectors checked in this sample. This problem is addressed by MPQAD in QAR-RT-00010 with a completion date of December 16, 1983. All of the forms required by MPQAD Procedure B3M-1 will be utilized starting October 17, 1983. CIO performed a sampling inspection of the training records of 39 MPQAD personnel. A sample size of 50 records representing a lot size of 312 records were selected, examined and were found to be in compliance with Procedure B3M-1.

VERIFICATION SAT UNSAT
INITIATOR Walter H. Sienkiewicz
DATE 12-9-83

NEW NIR# N/A
DATE

CONCURRENCE
PROGRAM MGR J. Baranow
DATE December 12, 1983

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
Revision 2

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

PROGRAM MGR [Signature]

DATE September 27, 1983

DATE October 3, 1983

CORRECTIVE ACTION BY:

MPQAD - QAR No. RT 00006 & RT-00010

IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

Verified that a letter written by D. D. Cochran, QA Level III on October 11, 1983 was in the Personnel Training Records file for Brian D. Hines. The letter stated that since he passed the latest test he is considered to have adequate vision acuity to perform inspection functions during the period of no valid eye examination.

VERIFICATION SAT UNSAT

NEW NIR#

CONCURRENCE

INITIATOR Walter H. Sienkiewicz

PROGRAM MGR [Signature]

DATE December 12, 1983

DATE

DATE December 12, 1983

REMARKS

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 004

IDENTIFICATION/LOCATION OF ITEMS:

MPQAD - RECORDS FILE SECTION

DESCRIPTION OF NONCONFORMANCE:

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.

Walter H. Sienkiewicz
INITIATOR

PROGRAM MGR [Signature]

DATE September 27, 1983

DATE October 3, 1983

CORRECTIVE ACTION BY:

MPQAD QAR NO. RT-0000 7

IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

All discrepancies were verified as being corrected as required on Pages 1 & 3 of this NIR.

1) B. E. Freimark

Verified that on-the-job training record E-6.0 equipment installation had Rev. 15 per initials dated October 18, 1983.

2) T. G. Nelson

Verified letter dated October 18, 1983 From E. L. Jones. QA Level III.

VERIFICATION SAT <input checked="" type="checkbox"/> UNSAT	NEW NIR# N/A	<u>CONCURRENCE</u>
INITIATOR <u>Walter H. Sienkiewicz</u>	PROGRAM MGR <u>[Signature]</u>	
DATE <u>12-9-83</u>	DATE	DATE <u>In December 9, 1983</u>

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

- continued - from PAGE 1

Which stated that T. Nelson received adequate on-the-job training prior to his performance demonstration.

3) S. Revich

1) Verified that individual certification for PQCI E-6.0 was corrected by writing in Rev. 12, initialed and dated October 11, 1983 by D. Cochran, Level III. The limitations were also corrected to state ~~corrective lenses.~~

2) Verified that a letter was entered into the personnel record files stating that S. Revich received adequate on-the-job training prior to his performance demonstration from E. L. Jones, QA Level III.

4) D. W. Gaskill

Verified that on-the-job training record was corrected to include Rev. 15 initialed and dated November 5, 1983.

5) B. D. Hines

Verified that the title was entered in the on-the-job training record.

CIO performed a sampling inspection of the training records of 39 MPQAD personnel. A sample size of 50 records representing a lot size of 312 records were selected, examined and were found to be in compliance with Procedure B3M-1.

STONE AND WEBSTER ENGINEERING CORPORATION
NONCONFORMANCE IDENTIFICATION REPORT

QCI 15.01
Attachment 4.1
Revision 2

DATE OF NONCONFORMANCE: December 11, 1983 NIR NUMBER 009

IDENTIFICATION/LOCATION OF ITEMS: Support Services Building
Q.C. Station #55

DESCRIPTION OF NONCONFORMANCE:
A sample inspection was performed of controlled Architechural drawings at Q.C. Station No. 55. A sample size of 50 drawings representing a lot size of 224 drawings was selected. Accept/Reject criteria is; Accept 0 Reject 1. Drawing No. A-213 was missing from Station 55 control drawing sticks. As a result, the entire lot of the 224 drawings has been rejected.

This NIR describes a deficiency against the Document Control Center. A check of the Control Card for drawing A-213 does not show any FCR/FCNs as being applicable.

INITIATOR Richard Scallan PROGRAM MGR [Signature]
DATE 12/12/83 DATE Dec 12, 1983

CORRECTIVE ACTION BY: MPQAD
IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

Corrective action had been accomplished by MPQAD. CIO verified that the missing dwgs had been added to the controlled stick dwgs and performed a sample inspection of the drawings at this station. The review was considered to be satisfactory and acceptable in meeting the requirements of FID-2.400 Rev. 3, Review and Resolution Program. Corrective Action completed on December 12, 1983.

VERIFICATION SAT <input checked="" type="checkbox"/> UNSAT INITIATOR <u>R. Scallan</u> DATE <u>12/13/83</u>	NEW NIR# <u>N/A</u> DATE	CONCURRENCE PROGRAM MGR <u>[Signature]</u> DATE <u>December 13, 1983</u>
---	-----------------------------	--

REMARKS This NIR as issued is closed as corrective action has been completed.



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

December 12, 1983

Mr. G. A. Hierzer, Site Manager
Bechtel Power Corporation
3500 E. Miller Road
Midland, Michigan 48640

PRINCIPAL STAFF			
✓ RA	<i>led</i>	DPRP	
D/RA		DE	
A/RA		DRMSP	
✓ RC	<i>led</i>	DRMA	
PAO		SCS	✓
SGA		ML	
NF		File	<i>led</i>

Dear Mr. Hierzer:

We have reviewed the records of Steve Babb and Pete Zagdrin and find them to be acceptable for Status Assessment, subject to the conditions described below:

The Bechtel I.O.M. dated December 9, 1983, subject - "Statement of Policy, Training Records" is revised to reflect agreements reached with Bechtel personnel, to reflect Bechtel record keeping.

A draft of the policy as understood by Stone & Webster is attached to this letter.

If you concur with this draft, please formally issue it and upon receipt by C.I.O. we will release our hold on training with regard to the above named individuals.

If your understanding is different to ours, please contact S. Baranow in order that a meeting can be established and agreement reached.

Very truly yours,

S. W. Baranow
Program Manager

SWB/fs
Enclosure

cc:

- ✓ JHarrison, US NRC Glen Ellyn, IL
- RJCook, US NRC Midland (site)
- DLQuamme, CPCo Midland (site)
- RAWells, CPCo Midland (site)
- APAmoruso, S&W

~~83-2280427~~

DEC 19 1983

file



**Consumers
Power
Company**

Dean L. Quamme
Site Manager
Midland Project

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

December 12, 1983

Mr S W Baranow
Stone & Webster Michigan, Inc
P O Box 1963
Midland, MI 48640

PRINCIPAL STAFF			
✓ RA	<i>DLQ</i>	P	
D/RA			
AV		SP	
PL		IA	
PAO		SS	✓ orig 13
SGA			
ENF		File	<i>DLQ</i>

MIDLAND ENERGY CENTER GWO 7020
MANAGEMENT POLICY ON MAINTENANCE OF TRAINING RECORDS
File: 0400.2, B1.1.7 · UFI: 07*, 99*08 Serial: CSC-7080

Attached is a copy of the revised Bechtel Management Policy addressed to E H Pillsbury, the Training Task Force Leader. The policy reflects Stone & Webster's comments of 12/12/83.

DLQ
fu DLQ/NIR/klp

- cc: RAWells, MPQAD
- BHPeck, MEC
- DDJohnson, MEC
- RJCook, NRC
- JGKepler, NRC
- JJHarrison, NRC

8312280456

DEC 19 1983

Bechtel Power Corporation

Post Office Box 2167
Midland, Michigan 48640



December 12, 1983

Consumers Power Company
P.O. Box 1963
Midland, MI 48640

Attention: D.L. Quamme

Job 7220 Midland Project
MANAGEMENT POLICY ON MAINTENANCE
OF TRAINING RECORDS
BCCC-8815

Dear Mr. Quamme:

Attached is a copy of the revised Management Policy addressed to E.H. Pillsbury, the Training Task Force Leader. The policy reflects Stone & Webster's comments of 12/12/83.

Very truly yours,

A handwritten signature in cursive script that reads "G.A. Hierzer".

G.A. Hierzer
Site Manager

GAH/EJR/EHP/lcc

Attachment: Revised Management Policy

CC: N. Reichel

Written Response Requested: No

Interoffice Memorandum

- (1) Safety Orientation (FIS-1.200, FIS-2.100, FPS-3.000, FPS-6.000)
- (2) BPC Quality Orientation (NQAM, EQAM)

will be accepted, as long as they contain any objective evidence that the training was completed.

2. Series Drawing: See T.C. Valenzano/J.T. Minor IOM O-6879 dated 12/8/83, Training Records Recording of Revisions On Series Documents.
3. White out (opaque) and correction tape: All members of the Construction Training Group have been instructed that the only acceptable method of correcting a training record is:
 - a. A permanent line out of the entry
 - b. Date and initial the line out

Level 1, 2, and 3 supervisors have been instructed that any record received with white-out corrections or correction tape will be returned to the originator. They have been furnished the proper reading form and instructed to dispose of all previous revisions of the form.

All records from September 28, 1983 to date, that have white out or taped-over corrections will be revalidated by lining out, dating and initialing. If the trainee's supervisor who originally signed the form is not available, the present supervisor may be used. Records prior to September 28, 1983 with white out or taped-on corrections will be utilized as is.

4. The individual training files are the official record as specified in paragraph 9 to FPG-2.000.
5. Illegible Documents: A document will be considered illegible if any of the essential information listed in paragraph 1 above is not readable. In this case, the Records Group will make an effort to secure a better copy. If they are unsuccessful, the document will be forwarded to the Curricula Committee to determine if credit should be given or not.
6. Retrofit of Records: Retrofit of attendance rosters prior to September 28, 1983 is neither warranted or practical.

Interoffice Memorandum

7. All Class Attendance Rosters from September 28, 1983 to date will be completed in accordance with the latest revision of FPG-2.000.

This policy is not intended to reduce the quality requirements of the Training Records. Our policy has always been and will continue to be:

- °Quality is the individual responsibility
- °Do it right the first time

Again, accurate and complete records are mandatory and care should be taken with them. At the same time remember that the form and the manner which it is completed is secondary to assuring that the essential elements are included in the form, substantiating that training requirement has been met.



G.A. Hierzer
Site Manager

GAH/EJR/lcc



Consumers
Power
Company

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

LAB 146-83

December 12, 1983

Mr Stan Baranow
Stone & Webster Engineering
Midland Nuclear Plant Project
Trailer 186
3500 E Miller Road
Midland, MI 48640

MIDLAND ENERGY CENTER PROJECT -
TRANSMITTAL OF (3) COMPUTER PRINTS

This will confirm the transmittal of three computer printouts containing information on MPQAD (BOP) Inspector records. These prints cover all training, exams, performance demos, certifications, etc.

GFEwert/LABotimer

cc: JHarrison, NRC
DLQuamme, Site Mgr
RAWells

~~8312280158~~



**Consumers
Power
Company**

PRINCIPAL STAFF	
<i>✓</i> D/RA	DE
A/RA	DRYSE
RC	DRJA
PAO	SCSZ
SGA	ML
ENF	File

sig+3

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

December 9, 1983

Mr Stan Baranow
Stone and Webster
Midland Nuclear Plant Project
Trailer 186
3500 E Miller Road
Midland, MI 48640

MIDLAND ENERGY CENTER PROJECT -
TRANSMITTAL OF VOL I & II
FILE 24.2 SERIAL 27232

This will confirm that Stone and Webster CIO is on controlled distribution for the following documents:

- Controlled copy #13 of CP Co Topical Report CP Co IA
- Controlled copy #37 of CP Co QA Program Procedures

Updates of these manuals will be forwarded directly to you by the controlling organization using document transmittal acknowledgment forms rather than by letter.

Gary F Ewert, Division Head
Quality Services
Midland Project QA Department

GFE/kw

CC SHoward, JSC-222
JRKepler, NRC Region III Administrator
DLQuamme, SMC
RAWells, MPQAD

831 2200094

DEC 15 1983



Consumers
Power
Company

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

December 9, 1983

Mr Stan Baranow
Stone and Webster
Midland Nuclear Plant Project
Trailer 186
3500 E Miller Road
Midland, MI 48640

MIDLAND ENERGY CENTER PROJECT -
TRANSMITTAL OF QAR
FILE 24.2 SERIAL 27231

This will confirm the transmittal of QAR RT 00015. This has been written based on concern of visual exams identified by Stone and Webster.

Cary F Ewert, Division Head
Quality Services
Midland Project QA Department

CFE/kw

CC JRKepler, NRC Region III Administrator
DLQuamme, SMO
RAWells, MPQAD



**Consumers
Power
Company**

file

Dean L. Quamme
Site Manager
Midland Project

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

December 9, 1983

Mr S W Baranow
Stone & Webster Michigan, Inc
P O Box 1963
Midland, MI 48640

PRINCIPAL STAFF	
✓ RA	DEPRP
D/RA	DE
A/RP	DRMSP
RC	DRMA
PAO	SOS
SGA	ML
ENF	FILE

orig 3

MIDLAND ENERGY CENTER GWO 7020
MANAGEMENT POLICY IN MAINTENANCE OF TRAINING RECORDS
File: 0400.2, B1.1.7 UFI: 07*, 99*08 Serial: CSC-7076

In accordance with a recent commitment, attached is Bechtel's management policy on maintenance of training records.

DLQ/DDJ/klp

- cc: RAWells, MFQAD w/a
- NIReichel, MEC w/a
- BHPeck, MEC w/a
- RJCook, NRC w/a
- JGKepler, NRC w/a
- JJHarrison, NRC w/a

DEC 19 1983

8312280211

Bechtel Power Corporation

Post Office Box 2167
Midland, Michigan 48640



December 9, 1983

Consumers Power Company
P.O. Box 1963
Midland, MI 48640

Attention: D.L. Quamme

Job 7220 Midland Project
MANAGEMENT POLICY ON MAINTENANCE
OF TRAINING RECORDS
BCCC-8805

Dear Mr. Quamme:

In the course of recent audits of Construction Training Records by Stone & Webster several issues regarding content of the records have arisen. These issues were discussed with Stone & Webster and Consumers Power during two separate meetings.

Attached is a copy of a management policy addressed to E.H. Pillsbury, the Training Task Force Leader. The policy is to provide direction to the Training Records Group and others involved with Training Records. It should also serve to settle any issues still unresolved and obviate the necessity of bringing up such issues during future audits.

I know we share equal concern to ensure that only fully trained personnel are assigned to status assessment and to Construction Completion. There are essential elements to the program and these must be fully documented. The policy will provide the necessary guidance and direction to those involved in maintenance of training records assuring that the essential elements are documented.

Very truly yours,

G.A. Hjerze
G.A. Hjerze
Site Manager

GAH
GAH/MAD/EHP/lcc

Attachment: Statement of Policy - Training Records
with the attachments

CC: N. Reichel

Bechtel Power Corporation
Inter-office Memorandum

To E. H Pillsbury

Date December 9, 1983

Subject Midland Plant Units 1 & 2
Bechtel Job 7220
STATEMENT OF POLICY
TRAINING RECORDS

From G.A. Hierzer

Of Construction

Copies to 0-6887

At Midland, MI

A recent audit of the Training Department by Stone and Webster has uncovered several concerns. The following Statement of Policy will clarify Bechtel's position and eliminate all concerns.

1. The CCP Training Program is a Familiarization Program based on the fact that all Bechtel personnel are technically qualified to do their job. The purpose of the CCP Training Program is to familiarize the construction personnel with the documents they will be using in completing their assigned tasks as required by the Midland Project. While it is readily admitted that accurate records are a necessity, it is also recognizable that all entries on a training record, i.e., pagination, time of instruction, location of instruction, etc., are not required to establish objective evidence of training. If all of the following essential information is on a training record, the record shall be accepted as objective evidence that the person has received the training, regardless of the format.

*Formal Instruction.

- ° Training Program Identification "CCP"
- ° reference documents (as taken from Training Matrix)
- ° attendee's name
- ° instructor's name
- ° date of instruction
- ° authenticating signature of Training Group

*Reading Reports

- ° name of employee
- ° appropriate identification of level of reading or exemption
- ° reference documents
- ° signature of supervisor

*As an exception to the above, any class roster prior to September 28, 1983 for:

- ° Safety Orientation (FIS 1.200, FIS 2.100, FPS 3.000, FPS 6.000)
- ° BPC Quality Orientation (NQAM, BQAM)

will be accepted, as long as they contain any objective evidence that the training was completed.

2. Series Drawing: Revisions to the series drawings (i.e., M-400's & M-600's, etc.) will not be required on the class attendance rosters or the reading sheets. We have prepared a memo describing the training objectives for those series of drawings, that do not have a lesson plan. (See Attachment A)
3. White out (opaque) and correction tape: All members of the Construction Training Group have been instructed that the only acceptable method of correcting a training record is:
 - a. A permanent line out of the entry
 - b. Date and initial the line out

Level 1, 2, and 3 supervisors have been instructed that any record received with white out corrections or correction tape will be returned to the originator. They have been furnished the proper reading form and instructed to dispose of all previous revisions of the form.

All records from September 28, 1983 to date, that have white out or taped over corrections will be revalidated by lining out, dating and initialing. If the trainee's supervisor who originally signed the form is not available, the present supervisor may be used. Records prior to September 28, 1983 with white out or taped on corrections will be utilized as is.

4. The individual training files are the official record as specified in paragraph 9 to FPG 2.000.
5. Illegible Documents: A document will be considered illegible if any of the essential information listed in paragraph 1 above is not readable. In this case, the Records Group will make an effort to secure a better copy. If they are unsuccessful, the document will be forwarded to the Curricula Committee to determine if credit should be given or not.
6. Retrofit of Records: Retrofit of attendance rosters prior to September 28, 1983 is neither warranted or practical.

Bechtel Power Corporation
December 9, 1983
Page 3
0-6887

This policy is not intended to reduce the quality requirements of the Training Records. Our policy has always been and will continue to be:

- ° Quality is the individual responsibility
- ° Do it right the first time

Again, accurate and complete records are mandatory and care should be taken with them. At the same time remember that the form and the manner which it is completed is secondary to assuring that the essential elements are included in the form, substantiating that training requirement has been met.

for *M. W. ...*
G.A. Hierer
Site Manager

GAH/JMM/naw

Attachments: (A)

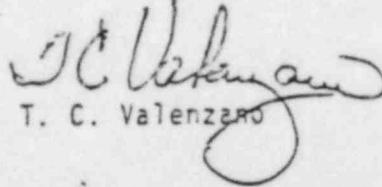
Bechtel Power Corporation
Inter-office Memorandum

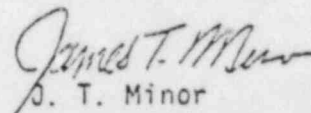
To	Distribution	Date	12-08-83
Subject	Job 7220 Midland Project TRAINING RECORDS RECORDING OF REVISIONS ON SERIES DOCUMENTS	From	T. C. Valenzano/J. T. Minor
Copies to	0-6879	Of	Supervision/Field Engineering
		At	Midland, MI

This is to clarify the requirements for documenting individual sheet revision for training to series type documents such as Drawings C480-C489, C2060-C2072, C140-C148 and C122-C131.

Individual document revision numbers for series type documents are not required to be recorded. Documents which require revision numbers to be individually tracked will be entered into the Training Matrix as individual documents not as a series.

Knowledge of and/or training to a particular revision of series documents is not a training objective. Importance of this training is based on knowledge of the source of information, not the technical details contained therein. This clarification is to be included in the next revision of FPG-2.000.


T. C. Valenzano


J. T. Minor

TCV/JTM/jkc

Written Response Requested: No

file



**Consumers
Power
Company**

Dean L Quemme
Site Manager
Midland Project

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

December 9, 1983

Mr S W Baranow
Stone & Webster Michigan, Inc
P O Box 1963
Midland, MI 48640

PRINCIPAL STAFF			
RA	<i>su</i>		
RY/RA			
SGA		<i>SS</i>	<i>orig-13</i>
ENF		File	<i>su</i>

MIDLAND ENERGY CENTER GWO 7020
NIR 006 AND 007
File: 0655, Bl.1.7 UFI: 99*08 Serial: CSC-7077

Attached is our complete response to NIR 006 and 007. Please advise if these commitments are acceptable to resolve these NIR's.

DLQ/DDJ/klp

- cc: RAWells, MPQAD w/a
- NIREichel, MEC w/a
- BHPeck, MEC w/a
- RJCook, NRC w/a
- JGKeppler, NRC w/a
- JJHarrison, NRC w/a

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DEC 19 1983

Bechtel Power Corporation

Post Office Box 2167
Midland, Michigan 48640



December 9, 1983

Consumers Power Company
P.O. Box 1963
Midland, MI 48640

Attention: D.L. Quamme

Job 7220 Midland Project
CONSTRUCTION REVIEW OF STONE &
WEBSTER'S NIRS 006 & 007
BCCC-8804

Dear Mr. Quamme:

Reference: CPCo Ltr. D.L. Quamme to G.A. Hierzer dated December 7, 1983
Serial No. CSC-7069

Outlined below is Construction's complete response and proposed corrective action for the subject NIRs.

1. The discrepancies listed for the class attendance roster are acknowledged. The use of the class attendance rosters was effective on September 28, 1983. Each roster since that date will be reviewed and corrected in conformance with Attachment D to FPG-2.000.
2. (Reading Records)
 - A. Illegibility occurs when the preparers run copies from poor masters instead of obtaining copies from the Training Department.
 - B. As noted on Attachment C, the format may vary as long as all information is included.
 - C. There is only one official training record and that is stipulated in paragraph 9 of FPG-2.000. The Team Record and the Team Status Report (TSR) are informal management tools and are not official records. The TSR is being replaced by the Training Exception Report Printout (TERP).

Addressing the two specifics listed.

*Krantzfelder - Completed FPD-2.000 at Level 5 on 8/18/83.
Paragraph 6.3, FPG-2.000 applies.

*Hull - Spec. M-204 appears on the latest TERP (attached).
This means he has not received the required training.

3. (Inconsistencies)

- A. FPG-2.00Q is being revised to stipulate that all corrections will be a line out in ink. The corrector will initial and date.
- B. All entries will be made in ink.
- C. Review specified in para. 1 above will include the listing of all applicable documents on the class attendance rosters.
- D. See para. 1 above.
- E. The Course Roster form is now furnished to the instructor with his copy of the Training Schedule to assure that the proper form is used.

4. The referenced letter stated that our original response regarding the Training Records Group review of a 10% random sample of the training files is unacceptable. We concur that a 10% sample is inadequate and regret the choice of words. In fact over 100% verification takes place. When training records indicate an individual is 100% complete a verification of the record takes place. This may occur long before the individual is assigned to status assessment. In addition, the supervisor is provided with an exception report showing the training requirements outstanding. Discrepancies between records which may be maintained by the supervisor and the Training Records Group are reconciled on a continuous basis using this management tool. Requirements, therefore, are documented in the exception report.

An additional 100% verification of records is made prior to an individual actually being assigned to status assessment by the Training Records Group. This occurs when the supervisor presents a listing of individuals to be assigned.

If you have any questions regarding the above, please contact E.H. Pillsbury at Ext. 7507.

Very truly yours,

G.A. Hierzer
for G.A. Hierzer
Site Manager

DLQ
GAH/MAD/BTF/lcc

Written Response Requested: No

Attachment: S&W NIRs (Nonconformance Identification Report) Nos.
006 & 007

CC: N. Reichel

STATE REGISTER ENGINEERING AND SURVEYING
NONCONFORMANCE IDENTIFICATION REPORT

Attachment 4.1
Revision 2
Page 1 of 2

DATE OF NONCONFORMANCE: November 7, 1983 NIR NUMBER 007

IDENTIFICATION/LOCATION OF ITEMS:

DESCRIPTION OF NONCONFORMANCE:

During the review of 834 non-manual Construction Training Records, two areas of discrepancies were observed which were not in compliance with the requirements of FPG-2.000 Rev. 5, "Training of Construction Personnel." (The following Teams were evaluated #24, Field Procurement, Sub Contractors, Managements, F.E. Staff, and CGSO.
(See attached for descriptions fo Discrepancies)

Walter H. Sienkiewicz PROGRAM MGR [Signature]
INITIATOR
DATE NOVEMBER 7, 1983 DATE November 7, 1983

CORRECTIVE ACTION BY:
IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

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

REMARKS

- 1) Course Rosters Attached to Int D to FPG-2000 exhibited one or more of the following discrepancies.

<u>BLOCK NO.</u>	<u>ENTRY REQUIRED</u>	<u>ENTRY RECORDED</u>
1	CCP	DWG. No. Fig. No. Course No.
2	(a) Name of lesson (b) Procedures (c) Revision	Either a, b, or c missing
6	Location of Session	Bechtel

In addition some entries
were left blank

- 2) In addition to these violations, inconsistencies were noted in 6 areas:

(1) Modification to records, some lined through, signed and dated and others simply lined through. (2) Some entries on course register are completed using pencil while most are in ink. (3) Difficulty is experienced in determining the accuracy of records where attendance at a course carries credit for several others. (4) Some entries carried the revision number to procedures and some omitted the revision. (5) Proper "Course Roster Form" as listed in Procedure FPG-2.000 were not utilized. (6) Some courses on Rosters contain information not identical to matrix listing.

It is recommended that the disposition to this NIR include a commitment to verify training records of each individual prior to status assessment assignment.

10051
11-2

STON AND WEBSTER ENGINEERING CORPORATION
NONCONFORMANCE IDENTIFICATION REPORT

OCI 15.01
Attachment 4.1
Revision 2

PAGE 1 OF 2

DATE OF NONCONFORMANCE: OCTOBER 27, 1983
NIR NUMBER 006

IDENTIFICATION/LOCATION OF ITEMS:
BECHTEL DOCUMENT CONTROL CENTER

DESCRIPTION OF NONCONFORMANCE:
During the review of 2054 non-manual Construction Training Records, three areas of discrepancies were observed which were not in compliance with the requirements of FPG-2.000 Rev. 5, "Training of Construction Personnel." (The following Teams were evaluated #5, 6, 8, 9, 12, 13, 16, 17, 19, 20, 25, 26, (27/28), 29, 30, 31, 32/33), BHD Team Staff.
(See attached for descriptions of Discrepancies)

Walter H. Sienkiewicz
INITIATOR

PROGRAM MGR Subram

DATE October 29, 1983

DATE October 29, 1983

CORRECTIVE ACTION BY:
IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

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

REMARKS

- 1) Course Rosters Attachment D to FPG-2.000 exhibited one or more of the following discrepancies.

<u>BLOCK NO.</u>	<u>ENTRY REQUIRED</u>	<u>ENTRY RECORDED</u>
1	CCP	DWG. No. FIG. No.
2	(a) Name of lesson (b) Procedures (c) Revision	Either a, b, or c missing
6	Location of Session	Bechtel
10	(a) Signature (b) Print Last Name	Either a or b missing
5	Instructor Name	Instructor Department

In addition many entries were left blank

- 2) Reading Records Attachment C to FPG-2.000 exhibited one or more of the following discrepancies:

Reading Record

- 1) The department and or assignment lines are illegible or incomplete.
- 2) Assigned reading performed on October 11, 1983 and September 29, 1983 were not documented on Reading Form Attachment C, Rev. 5.
- 3) Team Records and TSR (Training Status Report) show training completed Document Control Files showed no record of training. For example:

<u>NAME</u>	<u>TEAM #</u>	<u>TRAINING REQUIREMENT</u>	<u>DISCREPANCY</u>
Kranzfelder	Management	FPD-2.000 Code 2	No Record in File
J. Hull	32/33	M-204 Code 5	No Record in File

In addition to these violations, inconsistency was noted in 4 areas: (1) Modification to records, some lined through, signed and dated and others simply lined through. (2) Some entries on course register are completed using pencil while most are in ink. (3) Difficulty is experienced in determining the accuracy of records where attendance at a course carries credit for several others. (4) Some entries carried the revision number to procedures and some omitted the revision. (5) Proper "Course Roster Form as listed in Procedure FPG-2.000 were not utilized. (5) Some courses on Rosters contain information not identical to matrix listing.

It is recommended that the disposition to this NIR include a commitment to verify training records of each individual prior to status assessment assignment.



STONE & WEBSTER
POWER
COMPANY

Dean L. Quamme
Site Manager
Midland Project

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

December 7, 1983

Mr S W Baranow, Program Manager
Stone & Webster Michigan, Inc
P O Box 1963
Midland, MI 48640

PRINCIPAL STAFF	
RA	OPRP
D/RA	DE
A/RA	DRMSP
RC	DRVA
PAO	ECS
SGA	ML
ENF	File

orig-13

MIDLAND ENERGY CENTER GWO 7020
RESPONSE TO OPEN ITEMS

File: BL.1.7, 0655 UFI: 53*50*04, 99*08 Serial: CSC-7060

Attached is our partial response to NIR-008. Please advise us of any comments you may have on the proposed action to close this NIR.

DLQ/DDJ/klp

cc: RAWells, MPQAD w/o attachments
BHPeck, MRC w/o attachments
NIReichel, MEC with attachments
RJCook, NRC w/a
JGKeppler, NRC w/a
JJHarrison, NRC w/a

DEC 19 1983

~~8312280372~~

DATE OF NONCONFORMANCE: NOVEMBER 8, 1983 NIR NUMBER 008

IDENTIFICATION/LOCATION OF ITEMS:
SYSTEM TEAM TRAINING MATRIX, REV.1, DATED JULY 20, 1983

DESCRIPTION OF NONCONFORMANCE:
 During the review of the adequacy of the construction training matrices, a sample size of 50 training level assignments, representing a lot size of 318 assignment five unsatisfactory conditions were observed in the training level assignments. The System Team Training Matrix of the Construction Training Program was utilized to perform the review.
 See the attached for unsatisfactory conditions observed. The five unsatisfactory conditions reported represents a reject condition for this lot size of 318.

INITIATOR T. H. Arab PROGRAM MGR [Signature]
 DATE 11/9/83 DATE October 10, 1983

CORRECTIVE ACTION BY:
 IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

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

REMARKS

1. FPG 9.700, "System Team Charter"

FPG 9.700 appears on the "System Team Training Matrix" as a Level "0" (no training required) for the system team field engineer, mechanical. Paragraph 5.2.7 of this procedure identifies the job responsibilities and reporting relationships for the system team field engineers. As such, a level of training of "0" (no training) is not satisfactory.

2. FPO 1.201, "Bechtel Assigned Post Turnover (PTO) Work".

FPO 1.201 appears on the "System Team Training Matrix" as a Level "0" (no training required) for the system team field engineer, mechanical. In discussion with the Team #5 supervisor, it was noted that the Team members do get involved in Post Turnover Work. Because of this involvement by the Team members, a level of training of "0" (no training) is not satisfactory.

3. FIG 1.400 "Preparation, Review and Routing of Field Engineer's Reports."

FIG 1.400 includes responsibilities for several disciplines, ie; mechanical, civil, welding, and instrumentation as well as including responsibilities for the electrical discipline. The following conditions were noted as being unsatisfactory:

(a) The "System Team Training Matrix" under the column entitled "Responsible Discipline" shows this procedure to be an electrical discipline procedure.

(b) The "System Team Training Matrix" requires the field engineers of the mechanical and the instrumentation disciplines to receive a level "2" training whereas the field engineers of the electrical and welding disciplines receive a level "3" training. There is an inconsistency of training levels being assigned.

4. Specification M-214, "Piping System Erection Fit-up Control Requirements."

M-214 appears on the "System Team Training Matrix" as a level "0", (no training required) for the system team field engineer, welding. Specification pages 3, 5, 7B and 8 address welding. Also, weld fit-ups are addressed throughout this specification. As such, a level of training of "0" (no training) is not satisfactory.

5. Drawing E-039 - "Seismic Wireway Supports."

E-039 appears on the "System Team Training Matrix," as a level "0" (no training required) for the system team field engineer, welding. This drawing contains weld sizes and weld symbols for typical wireway supports. As such, a level of training of "0" (no training) is not satisfactory.

It is recommended that the disposition to this NIR include a commitment to verify the adequacy of all training matrices.