

JJH

MEMORANDUM FOR: Nathene Wright, ELD
 FROM: J. J. Harrison, Chief, Section 2, Midland
 SUBJECT: MIDLAND DISCOVERY REQUEST FOR DOCUMENTS FOR THE
 ALLEGED VIOLATION OF THE ASLB ORDER RELATED TO
 REMEDIAL SOILS

The Region III staff has no documents related to the discovery request dated October 11, 1983, except documents relating to possible enforcement action. RIII recommends that these documents be withheld from disclosure to the parties and public because the enforcement action remains under staff review, pending final decision.

The documents being withheld, to the best of Region III staff's knowledge, include the following:

1. Document Title	Name	Dated	Number of Pages
Handwritten notes of, or associated with Enforcement Conference	A. Davis	10/11/83	.5
	S. Lewis	10/11/83 and 09/28/83	6.0
	J. Harrison	10/11/83	8.0
	R. Landsman	"	7.0
	R. Cook	"	2.0

2. Proposed Enforcement package including:

- Memorandum W. H. Schultz to Jane A. Axelrad, dated October 19, 1983. Subject: Consumers Power Company - Midland Proposed Civil Penalty, 2 pages.
- Draft letter to Consumers Power Company from James G. Keppler, not dated, 4 pages.
- Attached (to the above) draft Notice of Violation and Proposed Imposition of Civil Penalty, no date, 4 pages and a 1 page excerpt and transparency for enforcement conference.
- Part of a draft Order related to a management review by Consumers Power Company, no date, 3 pages.

Original signed by
J. J. Harrison

J. J. Harrison, Chief

Section 2, Midland

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 Lewis
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 Warnick

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gry

NOV 14 1983

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

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

Gentlemen:

This is to confirm the arrangements made between Mr. S. Howell of Consumers Power Company and me scheduling November 16, 1983, at 9:00 a.m., as the date and time to discuss the alleged violation of the ASLB Order for the Midland site related to the remedial soils area and possible IE enforcement actions. This meeting is to be held at the Holiday Inn-O'Hare, 3801 N. Mannheim Road, Schiller Park, Illinois.

If you have any questions concerning this meeting, we will be happy to discuss them with you.

Sincerely,

"Original signed by R. F. Warnick"

R. F. Warnick, Director
Office of Special Cases

- cc: DMB/Document Control Desk (RIDS)
- Resident Inspector, RIII
- The Honorable Charles Bechhoefer, ASLB
- The Honorable Jerry Harbour, ASLB
- The Honorable Frederick P. Cowan, ASLB
- The Honorable Ralph S. Decker, ASLB
- William Paton, ELD
- Michael Miller
- Ronald Callen, Michigan
Public Service Commission
- Myron M. Cherry
- Barbara Stamiris
- Mary Sinclair
- Wendell Marshall
- Colonel Steve J. Gadler (P.E.)
- Howard Levin (TERA)
- Billie P. Garde, Government
Accountability Project
- Lynne Bernabei, Government
Accountability Project
- Stone and Webster Michigan, Inc.

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Harrison

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

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

Gentlemen:

This is to confirm the arrangements between Mr. J. Cook of Consumers Power Company and J. Harrison of the Region III staff scheduling October 11, 1983, at 3:00 p.m., as the date and time to discuss the alleged violation of the ASLB Order for the Midland site related to the remedial soils area and possible IE enforcement actions. This meeting is to be held at the Region III office in Glen Ellyn, Illinois.

If you have any questions concerning this meeting, we will be happy to discuss them with you.

Sincerely,

"Original signed by R. F. Warnick"

R. F. Warnick, Director
Office of Special Cases

cc: DMB/Document Control Desk (RIDS)
Resident Inspector, RIII
The Honorable Charles Bechhoefer, ASLB
The Honorable Jerry Harbour, ASLB
The Honorable Frederick P. Cowan, ASLB
The Honorable Ralph S. Decker, ASLB
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Mary Sinclair
Wendell Marshall
Colonel Steve J. Gadler (P.E.)
Howard Levin (TERA)
Billie P. Garde, Government
Accountability Project
Lynne Bernabei, Government
Accountability Project

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Harrison
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RIII
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Warnick

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

Harrison

October 5, 1983

NOTICE OF SIGNIFICANT LICENSEE MEETING

Name of Licensee: Consumers Power Company
Name of Facilities: Midland Nuclear Plant, Units 1 and 2
Docket Nos.: 50-329; 50-330
Date and Time of Meeting: Tuesday, October 11, 1983, at 3:00 p.m. (CDT)
Location of Meeting: U. S. Nuclear Regulatory Commission, Regional Office,
Glen Ellyn, Illinois
Purpose of Meeting: Enforcement Conference to Review the Office of
Investigation Report and IE Enforcement Actions
on the Alleged Violation of the ASLB Order on
Remedial Soils

NRC Attendees:
James G. Keppler, Regional Administrator
R. F. Warnick, Director, Office of Special Cases
Others from RIII, IE, NRR as appropriate

Licensee Attendees:
S. Howell, Executive Vice President
J. W. Cook, Vice President
Others as designated by the licensee

NOTE: Attendance by NRC personnel at the meeting should be made known by
October 7, 1983, via telephone call to J. J. Harrison, Region III,
FTS 388-5635

Distribution:
R. C. DeYoung, Director, IE
E. L. Jordan, Director, Division of Emergency Preparedness and Engineering
Response, IE
J. M. Taylor, Director, Division of Quality Assurance, Safeguards, and
Inspection Programs, IE
J. A. Axelrad, Acting Director, Enforcement Staff
D. G. Eisenhut, Director, Division of Licensing, NRR
E. G. Adensam, Chief, Licensing Branch No. 4
R. L. Tedesco, Assistant Director for Licensing, NRR

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CONSTRUCTION PERMITS NO. CPPR-81 AND NO. CPPR-82, PARAGRAPH 2.G.(1) AND 2.G.(1)A STATE, IN PART, "THE APPLICANT SHALL OBTAIN EXPLICIT PRIOR APPROVAL FROM THE NRC STAFF...BEFORE PROCEEDING WITH THE FOLLOWING SOILS-RELATED ACTIVITIES...ANY PLACING, COMPACTING, EXCAVATING, OR DRILLING SOIL MATERIALS AROUND SAFETY-RELATED STRUCTURES AND SYSTEMS."

CONTRARY TO THE ABOVE, THE LICENSEE EXCAVATED SOIL MATERIAL BELOW THE DEEP "Q" DUCT BANK AND INITIATED FIRELINE RELOCATION ACTIVITIES IN "Q" SOILS WITHOUT PRIOR NRC AUTHORIZATION. FURTHER, THE EXCAVATION OF SOIL MATERIAL BELOW THE DEEP "Q" DUCT BANK WAS CONTRARY TO PREVIOUS DIRECTIVES OF THE NRC STAFF WHICH INSTRUCTED THE LICENSEE THAT SUCH EXCAVATION WAS NOT AUTHORIZED.

guy

OCT 2 '1 1983

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

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

Gentlemen:

This refers to the enforcement conference conducted by Messrs. J. Keppler, A. Davis, R. Warnick, members of the Region III Midland Section, Messrs. T. Novak and D. Hood of NRR, Mr. R. Heishman of IE, and Mr. J. Lieberman of ELD and Messrs. S. Howell, J. Cook, and others from Consumers Power Company on October 11, 1983, at the Region III office in Glen Ellyn, Illinois.

The enclosed copy of our report identifies topics discussed during the meeting. As indicated in the enclosed report, this meeting was held to discuss potential enforcement action based upon the findings of the Office of Investigations in Investigation Report 3-82-061 and the Supplemental Report related to the Remedial Soils work at Midland. You will be notified at a later date regarding our decision concerning enforcement actions.

Sincerely,

*Original signed by
James G. Keppler*

James G. Keppler
Regional Administrator

Enclosure: Inspection Report
No. 50-329/83-22(OSC), and
No. 50-330/83-23(OSC)

cc w/encl:
See attached distribution list

RIII
RV
Gardner/l
10/20/83

JA
Harrison
10/21/83

RFW
Warnick
10/21

LHZ
Lewis
10/21

D
Davis
10/21

JK
Keppler
10/21/83

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cc w/encl:

DMB/Document Control Desk (RIDS)

Resident Inspector, RIII

The Honorable Charles Bechhoefer, ASLB

The Honorable Jerry Harbour, ASLB

The Honorable Frederick P. Cowan, ASLB

The Honorable Ralph S. Decker, ASLB

William Paton, ELD

Michael Miller

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Accountability Project

Lynne Bernabei, Government

Accountability Project

Stone and Webster Michigan, Inc.

U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-329/83-22(OSC); 50-330/83-23(OSC)

Docket No. 50-329; 50-330

License No. CPPR-81; CPPR-82

Licensee: Consumers Power Company
1945 West Parnall Road
Jackson, MI 49201

Facility Name: Midland Plant, Units 1 and 2

Meeting At: NRC Region III office, Glen Ellyn, Illinois

Meeting Conducted: October 11, 1983

Report Prepared by: *J. J. Harrison*
J. J. Harrison, Chief
Section 2, Midland

10/20/83

Date

Approved by: *RFWarnick*
R. F. Warnick, Director
Office of Special Cases

10/20/83

Date

Meeting Summary

Meeting held on October 11, 1983 (Report No. 50-329/83-22(OSC); 50-330/83-23(OSC))

Subject: Enforcement Conference concerning alleged violation of ASLB Order/Construction Permit.

Results: During the conference between the NRC and Consumers Power Company, the NRC staff discussed the Office of Investigation report findings, staff conclusions, and possible escalated enforcement actions.

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DETAILS

1. Persons in Attendance

Consumers Power Company (CPCo)

S. Howell, Executive Vice President
J. Cook, Vice President
J. Mooney, Executive Manager
F. Williams, Attorney
J. Bruner, Attorney
N. Leach, Licensing

U. S. Nuclear Regulatory Commission (USNRC)

J. Keppler, Regional Administrator, RIII
A. Davis, Deputy Regional Administrator, RIII
R. Heishman, Chief Reactor Construction Programs Branch, IE
J. Lieberman, Director, Division of Regional Enforcement
and Operations, ELD
T. Novak, Assistant Director for Licensing, Division of Licensing, NRR
D. Hood, Midland Project Manager, NRR
S. Lewis, Regional Counsel, RIII
R. Warnick, Director, Office of Special Cases, RIII
E. Pawlik, Director, Office of Investigations Field Office, RIII
J. Harrison, Chief, Section 2, Midland
R. Cook, Senior Resident Inspector, Midland, RIII
R. Landsman, Reactor Inspector (Soils), RIII
W. Shafer, Chief, Projects Branch 2, DPRP, RIII

2. Enforcement Conference

The NRC staff met with the licensee on October 11, 1983, to discuss the results of the Office of Investigation (OI) reports (June 2, 1983, and September 12, 1983) concerning the alleged violation of the ASLB Order and a Construction Permit Condition.

Mr. Keppler outlined the OI report findings and IE staff conclusions together with proposed enforcement actions being considered by the staff. These actions included a possible proposed civil penalty and a possible Order requiring Consumers Power Company to conduct an evaluation of their management of the Midland project. These discussions included the possible use of an independent party to conduct this evaluation.

The licensee responded with their version of the circumstances and facts evolving around the alleged violation. The licensee also discussed actions that they had taken and plan to take to assure such a problem is corrected and does not recur. The licensee did contest the conclusion set forth in the letter from Ben G. Hayes, Director, Office of Investigations to James G. Keppler, dated September 12, 1983.

Following the Enforcement Conference, a separate discussion was held between Mr. Keppler and Mr. Howell to discuss NRC and CCo actions being taken or to be taken and pending organizational changes. Messrs. Warnick and Harrison also met with Mr. Cook to discuss the pending organizational changes.

BAP file



Consumers
POWER
Company

RELATED CORRESPONDENCE

DOCKETED

'83 NOV -1 P12:05

General Offices: 1945 West Parnall Road, Jackson, MI 49201 • (517) 788-0550

OFFICE OF SERVICE
DOCKETING & SERVICE
BRANCH

October 27, 1983

DOCKET NUMBER 50-329,330 OM, OL
PROD. & UTIL. FAC.

PRINCIPAL STAFF		
EA	DEPP	
D/PA	DE	
E/RA	DEMSA	
RC	DRMA	
PAO	SCS	10/13
SGA	AL	
ENF	File	X

Ms Lynne Bernabei
Government Accountability Project
1901 Q Street, NW
Washington, DC 20009

MIDLAND PROJECT
MIDLAND DOCKET NOS 50-329 OM; 50-330 OM
RESPONSE TO INTERROGATORIES DATED OCTOBER 11, 1983

Dear Ms Bernabei

Enclosed are Consumers Power Company's responses to Intervenor Barbara Stamiris' Interrogatories to Consumers Power Company dated October 11, 1983. The responses include as attachments those documents referenced but not provided by other means. Relevant Consumers Power Company interpretations of the interrogatories are contained in the answers.

The responses do not address those questions objected to in CPCo Objections to Interrogatories and Document Production Requests of Barbara Stamiris dated October 11, 1983, as modified by Mr J E Brunner's letter of October 25, 1983 addressed to Ms Bernabei.

Very truly yours

V P Provenzano

CC OM/OL Service List

8311030077-831027
PDR ADOCK 05000329
G PDR

oc1083-0652a100

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83 NOV -1 P12:05

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QUESTION 8

State your current position regarding whether or not Dr Landman told you at any time that he prohibited excavation below the Q duct bank without prior NRC approval.

RESPONSE 8

Mr Mooney's current position is stated in his prefiled testimony.

QUESTION 9

Explain how the May 25, 1982 Memorandum approves excavation of the deep Q duct bank, as referenced on Page 15 of the Supplemental OI Report.

RESPONSE 9

The above reference appears on Page 14 of the Supplemental OI Report and is being answered based on that premise.

The letter to Harold R Denton from J W Cook dated May 10, 1982, "ASLB Soils Order" states in part, ". . . Remedial soils work previously approved by the NRC is continuing. Concurrence as to the scope of this work was obtained from Mr Darl Hood, and is as defined below:

. . . I.c. freeze wall installation, underground utility protection, soil removal cribbing and related work in support of the freeze wall installation, freeze wall monitoring and freeze wall activation . . ."

The letter to J W Cook from D G Eisenhut dated May 25, 1982, "Completion of Soils Remedial Activities Review," responding to the May 10, 1982 letter states in Enclosure 4: ". . . the Staff agrees that prior explicit concurrence for the activities listed by Paragraph I.c. of CP Co's letter, May 10, 1982 had been obtained from the Staff . . ."

QUESTION 10

Identify all discussions, conversations, meetings or communications which mention, or refer to any way the following:

- a. Dr Landsman had been called to the Midland Site to inspect the deep Q duct bank before activation of the freezeway;
- b. A need existed to stop the water flow beneath the deep Q duct bank;
- c. the necessity to excavate to impervious ground beneath the duct bank;
- d. QA planning determined the need for "sheeted pit" down to the duct bank;
- e. concern with "recharging" the zone below the deep Q duct bank;
- f. changes to the design of the duct bank or method of excavation of the duct bank, for the period March 1, 1982 through September 30, 1982;
- g. deepening or exposing the deep Q duct bank, for the period March 1, 1982 through September 30, 1982.

RESPONSE 10

- a. Mr Sevo had possession of the following communications regarding NRC inspection before activation of the freezeway:

June 4, 1982 letter from Don Horn to Messrs Bird, Marguglio and Dietrich (attachment 6 to Weil Report dated September 12, 1983).

OCR #0159 memorializes a conversation between Mr Sevo and John Fisher; Mr Sevo does not recall how or when he obtained the information conveyed. (Copy attached)

April 1, 1982 memo from Al Boos refers to audit by I&E of freezwall; Mr Sevo was not present for the meetings which were the subject of this document. (Copy attached)

Mr Sevo does not recall any other specific conversations, discussions or meetings concerning this subject.

- b. Mr Sevo had possession of the following communications: A document entitled, "Meeting March 12, 1983," refers to the proposed grout curtain which involved stopping the water flow beneath the deep Q duct bank; Mr Sevo does not recall who published the document and does not recall if he was present at that meeting. (Copy attached)

The April 1, 1982 memo from Al Boos references procedures concerning stopping the water flow. (Copy attached)

Mr Sevo may have had a number of routine work related conversations which touched upon this subject, however, he has no present recollection as to any such specific conversation, discussion or meetings.

- c. The April 1, 1982 memo from Al Boos may refer to this subject.

Mr Sevo may have had a number of routine work related conversations which included this subject, however, he has no present recollection as to any such specific conversations, discussions or meetings.

- d. Mr Sevo does not recall any discussions, conversations, meetings or communications relating to the statement that "QA planning determined the need for 'sheeted pit' down to the duct bank." QA was not responsible for "determining the need" for a sheeted pit; the need was determined by the design group. Mr Sevo may have become aware of the need for a sheeted pit through routine job site meetings and conversations; however, he does not recall the specifics of any such meetings or conversations.

- e. Mr Sevo does not recall any discussions, conversations, meetings or communications relating to the "concern with 'recharging' the zone below the deep Q duct bank." To Mr Sevo's knowledge, there was not a concern regarding "recharging" the zone below the deep Q duct bank, however, there was a concern regarding preventing the "recharging" of the area inside the freewall. Mr Sevo may have become aware of this latter concern from routine job site meetings and conversations, however, he does not recall the specifics of any such meetings or conversations.

- f. Mr Sevo and his group would have become aware of some design changes through their review of drawings and processing of Project Inspection Plans and Reports (PIPR). Mr Sevo does not recall any specific drawings

or PIPR's except: PIPR C-26F, Rev 0; PIPR C-26F, Rev 1; PIPR C-26I, Rev 0 (copies attached); and the April 1, 1982 memo from Al Boos. Mr Sevo may have become aware of some changes in design through routine job site meetings and conversations, however, he does not recall the specifics of any such meeting or conversation.

- g. Mr Sevo does not recall any discussions, conversations, meetings or communications relating to "deepening . . . the deep Q duct bank." It is Mr Sevo's understanding that the elevation of deep Q duct bank was intended to and remained the same.

To the best of Mr Sevo's recollection, the exposure of the deep Q duct bank was part of the work necessary for the activation of the freeze wall, therefore, the documents referred to in subsections (a)-(f), above, may refer to this subject. Mr Sevo may also have become aware of the excavation and exposure of the deep Q duct bank through routine job site meetings, conversations or QA planning activities, however, he does not recall the specifics of any such meeting, conversation or planning activity.

QUESTION 11

Explain the factual basis for your "belief that NRC, CPC or BPC had not finalized the plans for the deep Q duct bank at the time of the additional excavation."

RESPONSE 11

Mr Sevo believes that the statement contained in this question is the result of a misunderstanding. Mr Sevo's recollection is that Mr Weil asked him a question concerning why construction stopped after the Phase II excavation below the Deep Q duct bank had been completed. In response, Mr Sevo believes that he stated his recollection of events at that time to be that the design of the backfill (i.e., what type of material to use) was still in flux due to geotechnical considerations by NRR.

Although neither Mr Sevo nor his group had responsibility for tracking NRC approvals, Mr Sevo's belief that the NRR had not concurred in the design of the backfill below the deep Q duct bank is based on his general recollection of the Friday job site meetings and other general conversations on site. Mr Sevo has no specific recollection of the details of any of the meetings and conversations mentioned above.

QUESTION 12

Identify all conversations, communications, discussions or meetings relating to obtaining NRC approval for excavation of the deep Q duct bank or the construction of the freezeway.

- a. between yourself and the NRC; and
- b. between yourself and Consumer and Bechtel.

RESPONSE 12

- a. Mr Sevo has no present recollection of any conversation, communication or discussion with the NRC concerning approvals for excavation of the deep Q duct bank or for construction of the freezeway.

Mr Sevo may have attended some NRC exit meetings during the applicable time period, however, he has no recollection of attending any meeting at which the obtaining of NRC approvals was discussed.

Neither Mr Sevo nor his group had any responsibility for obtaining approvals from the NRC during the applicable time period.

- b. Mr Sevo was present for some Friday job site meetings which discussed general NRC approvals and restraints, however, he has no recollection of any meeting where the obtaining of NRC approvals for excavation of the deep Q duct bank or for construction of the freezeway were specifically discussed.

Mr Sevo had possession of the following communications which may relate to the obtaining of NRC approvals for excavation of the deep Q duct bank or for construction of the freezeway:

OCR #0159 memorializes a conversation between Mr Sevo and John Fisher on April 8, 1982; Mr Sevo does not recall how or when he obtained the information conveyed. (Copy attached)

A document entitled, "Meeting March 12, 1982," was sent to Mr Sevo; he does not recall who published the document and does not recall if he was present at that meeting. (Copy attached)

Mr Sevo was sent a copy of the June 4, 1982 letter from Don Horn to Messrs Bird, Marguglio and Dietrich which conveyed the minutes of the May 21, 1982 NRC exit meeting. (See Attachment 6 to the Weil Report dated September, 12, 1983.)

To the best of Mr Sevo's recollection, he may have had routine job site discussions with numerous people during the applicable time period. He does not specifically recall if any of these conversations dealt with the obtaining of NRC approvals for excavation of the deep Q duct bank or for construction of the freezeway.

QUESTION 13

Explain the factual basis for the statement that the May 20, 1982 notes meant "the method of accomplishing the impervious zone beneath the deep duct bank had not been approved, " referred to on Page 21.

RESPONSE 13

The statement contained in this question does not appear on Page 21, however, it does appear on Page 23. The answer to this question is based on the statement appearing on Page 23.

Mr Sevo's recollection is that as of May 20, 1982, the NRR was reviewing the design for accomplishment of Phase II, which was the creation of an impervious zone below the deep Q duct bank, and had not given its approval at that time (May 20, 1982).

QUESTION 14

Explain the following portions of your typed and handwritten notes for the May 21, 1982 Remedial Soils Meeting:

- a. "target freeze activation on Wednesday, May 26, 1982";
- b. "Pit 4 critical";
- c. "Clear space duct bank . . . Brien Palmer";
- d. "have QA . . . look at all pits for any quality concern before Dr Landsman looks at them. . ."

RESPONSE 14

To the best of Mr Sevo's recollection, the following is an explanation of his notes of May 21, 1982, which were made from a QA point of view:

- a. The scheduling goal was to activate the freezwall on Wednesday, May 26, 1982.
- b. Pit 4 was the pit which provided the interface between the deep Q duct bank and the freezwall. Pit 4 was "critical" from the standpoint that it had several outstanding items which had to be completed prior to the NRC inspecting the freezwall and giving its authorization to activate the freezwall.

- c. This item indicated a notification to Brien Palmer to assure, during the overinspection activities, that the required clear space was present beneath the deep Q duct bank. The clear space was a designed gap between the bottom of the deep Q duct bank and the existing soil prior to freeze-wall activation.
- d. This item is a notification to the QA overinspection group (Brien Palmer) to conduct a review of all pits to assure accomplishment of all quality inspection, quality overinspections and the completion of all other open quality items before the NRC inspection of the monitoring pits.

NOTE: Mr Sevo's answers to interrogatories numbered 10, 11, 12, 13 and 14 do not include information already provided in the Weil Report, dated September 12, 1983.

QUESTION 15

Explain the Diagram on Page 3 of the attachments to the May 11, 1982 Ronk Memorandum, including but not limited to the meaning of the following:

- a. zone numbers listed;
- b. codes used and/or listed;
- c. planning schedule caption;
- d. "sup soils, Consumers Power Company" in third top box from left; and
- e. initials "DRF 5/11/82" at bottom left corner of page.

Describe the purpose of this document.

RESPONSE 15

- a. Zone numbers allow graphically displaying the schedule information in an organized fashion. The number shown has no intrinsic meaning.
- b. Codes (called activity numbers) are used to organize the information in the computer files. The numbers are arbitrarily selected.
- c. The caption "Planning Schedule" is a standard title that is used with the "PROJECT/2" software program.
- d. The words "SWPS SOIL CONSUMERS POWER COMPANY" appearing in the third top box from the left are titles that were entered into the program for this network before the network was used for the remedial soils detailed schedule or 90 day revolving schedule. The network was originally intended to model just the Service Water Pump Structure (SWPS) soils activities.
- e. The initials DFR 5/11/82 were placed on the document to indicate that it was prepared under Mr Ronk's supervision and issued on May 11, 1982.

QUESTION 16

Identify all activities or work listed in your May 11, 1982 memorandum that had been submitted to the NRC for approval prior to May 11, 1982.

Identify all documents which refer, mention or evidence such prior submission of work and activities to NRC for approval prior to May 11, 1982.

RESPONSE 16

Objection.

QUESTION 17

Identify all discussions, conversations, meetings, or communications with Mr Wheeler, Mr Schaub or Mr Mooney in period from March 1, 1982 through September 20, 1982 concerning:

- a. the deep Q duct bank; and
- b. the relocation of the fireline.

RESPONSE 17

Mr Ronk is not able to recall the time, place, participants or nature of any conversation with Mr Wheeler, Mr Schaub, or Mr Mooney between March 1, 1982 and September 20, 1982 regarding the Deep Q duct bank and the relocation of the fireline.

QUESTION 18

Identify all meetings, discussions, conversations and communications between Consumers, Bechtel and Mergentine relating to activities and/or items to be covered by the ASLB Order, including but not limited to the May 5, May 6 and May 7, 1982 meetings referred to in May 11, 1982 Schaub Memorandum.

RESPONSE 18

Objection.

QUESTION 19

Identify all activities determined by Consumers or by Bechtel, during the period from April 30, 1982 through September 30, 1982, to be covered by the ASLB Order.

Identify all documents which relate to, mention or refer to in any way the activities listed above.

RESPONSE 19

Objection.

QUESTION 20

For the period March 1, 1982 to September 30, 1982, identify the person or persons responsible for determining (a) whether or not a certain work activity must receive NRC approval, and (b) whether an activity or work is covered by the ASLB Order.

RESPONSE 20

Prior to April 30, 1980 the informal agreement between the Company and the NRC dictated which activities needed approval. After the April 30, 1980 Order, the Order defined those activities which needed approval. This May 5 conference call further delineated those activities requiring approval.

Mr Ronk's job description did not include keeping track of approvals, therefore, he has no knowledge as to this subject.

QUESTION 21

Explain why the June 23, 1982 and June 30, 1982 Soils Progress Schedule Status Reports include an asterisk indicating NRC review is required for both "complete deep Q duct bank" and "relocate fire protection pipeline."

State all reason for removal and/or omission of the asterisk from these two activities from the July 7, July 14, July 21, and July 28, 1982 Soils Progress Schedule Status Reports.

RESPONSE 21

The asterisk associated with "complete deep Q duct bank" was an indication that approval was needed for the permanent backfill of the excavation.

The asterisk associated with "relocate fire protection pipeline" was an indication that this new item of planned work was not yet approved.

Mr Ronk and Mr Schaub do not remember exactly why the asterisks were removed.

QUESTION 22

Identify all person(s) responsible for determining:

- a. which activities in the Status Reports required NRC approval;
- b. which activities listed in the Status Reports should be marked with an asterisk;
- c. which activities should have asterisk removed;
- d. which activities had received prior or required NRC approval.

RESPONSE 22

J R Schaub was responsible.

QUESTION 23

Explain all reasons for your refusal to or declination to provide a written statement to NRC investigators regarding the Office of Investigation investigations into violation of the ASLB Order.

RESPONSE 23

Mr Schaub did not believe that it was necessary to provide a written statement because he had already been interviewed by the investigators extensively and he felt that a written statement would be superfluous.

QUESTION 24

Describe the preparation of the Soils Progress Schedule Status Reports, including the following:

- a. identification of all persons preparing the reports;
- b. all persons reviewing the reports;
- c. all persons who received the reports; and
- d. all persons who used the reports in any manner.

For all such persons listed in subpart (d) above, state the use he/she made of the reports.

RESPONSE 24

- a. D F Ronk prepared the report, he was assisted by others within the scheduling department;
- b. The report was reviewed by J R Schaub;
- c. R B Landsman and the persons listed as carbon copy recipients are the only people who the report was sent to;
- d. R B Landsman was sent the report for purposes of planning his site visits relative to the status of construction.

QUESTION 25

Describe how the Short Term Action Plans were prepared

- a. before June 31, 1983; and
- b. after June 31, 1982.

List all reasons for changing their method of preparation.

RESPONSE 25

Since there are only 30 days in June, this answer is based on a reference date of June 30, 1982. The short term action plans were prepared by David Ronk before June 30, 1982. After June 30, 1982, Dave Ronk and Jerome Kostielney jointly prepared the short term action plans. Mr Kostielney was responsible for finding out the start and finish dates of the proposed work and to prepare the draft of the short term action plans to be approved by John Schaub. The reason for changing the method of preparation was to get Jerome Kostielney involved in the soils work.

QUESTION 26

Explain the method of determining which work activities were asterisked in these reports.

Identify all persons who participated in any way in the determination or whether or not to asterisk a particular work activity.

RESPONSE 26

Work activities on the short term action plan were first updated and prepared on a draft. The draft was then reviewed by Dave Ronk and/or John Schaub. Jerome Kostielney was then directed by John Schaub and/or Dave Ronk to put an asterisk by the appropriate work activities. Participants involved in putting asterisks by work activities were John Schaub and Dave Ronk.

QUESTION 27

Explain your understanding of the following statement when you received the July 8, 1982 Memorandum from Ronk, referenced on Pages 28 and 29 of the Supplemental OI Investigation: "Jerry please make sure that appropriate activities get 2n*."

Identify any reason(s) Ronk gave for writing this statement in his memorandum of July 8, 1982.

RESPONSE 27

This statement was just a reminder to make sure that appropriate activities got an asterisk.

QUESTION 28

Explain what you meant when you stated to NRC investigators, "It's on there I assume I got the information," which is referenced on Page 29 of the Supplemental OI Report.

RESPONSE 28

Mr Kostielney does not recall making a statement "it's on there I assume I got the information." This statement means to him that if an asterisk was placed by a work activity, he would assume he got the information from John Schaub and/or Dave Ronk to put it on the report.

QUESTION 29

Describe your duties or responsibilities related to determining what activities require NRC approval.

Describe your duties and responsibilities with respect to determine whether any activity listed in the Soils Project Schedule Status Reports or the Short Term Action Plans

- a. require prior NRC approval; and
- b. should be asterisked.

RESPONSE 29

Mr Kostielney assumes that this question refers to his responsibilities at the time he was involved in preparing the short term action plans. His responsi-

bility was to place an asterisk by an activity under the direction of John Schaub and/or Dave Ronk.

QUESTION 30

Describe your understanding of "minor excavation" as Mr Wheeler used it in describing the agreement between himself and Dr Landsman referenced on Page 31 of the OI Supplemental Report.

RESPONSE 30

Because Mr Wieland was not working directly with excavation permits or work permits at the time of the incident which is the subject of alleged Board Order violation, he was aware only in general terms of an arrangement between Dr Landsman and SMO personnel whereby some excavations were informally reviewed after work had begun. Mr Wieland did not have a precise understanding of the details of the arrangement at that time, however, since that time, this subject has been the topic of discussions. Mr Wieland's present understanding is that major excavations were work activities such as underpinning the auxiliary building and service water building; minor excavations were items of lesser magnitude than the examples noted above.

QUESTION 31

Identify all documents you read or reviewed prior to approving the excavation permits for the fireline relocation and deep Q bank excavation.

Identify what portion of these documents indicate the NRC gave prior approval for the activity and/or that prior NRC approval was not required for the activity.

RESPONSE 31

Mr Murray signed the excavation permit for the deep Q duct bank only; he signed the work permit for the fireline relocation.

As to the fireline relocation, Mr Murray recalls that there was no documentation which specifically dealt with the relocation. Since the activity covered under the Board order was the excavation in Q soils, it was Mr Murray's understanding that this activity was minor and therefore covered in the Wheeler-Landsman agreement. Mr Murray also recalls that prior to signing the work permit, he telephoned John Schaub to confirm the above reasoning.

Mr Murray does not specifically recall signing the excavation permit for the deep Q duct bank nor does he recall any specific document which he reviewed.

QUESTION 32

Describe all changes in the plans for the deep Q duct bank, including the following:

- a. person suggesting the change;
- b. person authorizing the change;
- c. time when change adopted; and
- d. the reason/rationale for the change.

Identify all documents constituting, mentioning, referring to or relating in any way to the above mentioned changes.

RESPONSE 32

Mr Murray has no knowledge of the rationale for, who suggested, or who authored, the changes in the deep Q duct bank design. This information is outside the scope of his job description.

QUESTION 33

Identify all Consumers or Bechtel investigations into the alleged violation of the Board Order or the manner in which the Office of Investigations' investigations were conducted.

Identify all reports or other documents related to such Consumers or Bechtel investigations.

RESPONSE 33

Consumers Power Company attorneys, J E Brunner and V P Provenzano, were present, either jointly or individually, for most of the interviews conducted by Mr Weil as part of his supplemental investigation. Mr Brunner, Mr Provenzano and F C Williams (Consumers' attorney from Isham, Lincoln and Beale) conducted a number of follow-up interviews.

Mr Brunner was also present during the interviews conducted by Mr Weil for the initial investigation; he also conducted follow-up interviews.



ORAL COMMUNICATIONS RECORD

OCR #0159

PROJECTS, ENGINEERING
AND CONSTRUCTION -
QUALITY ASSURANCE DEPARTMENT

CHRON. FILE NO 0.4.9.20.1

PAGE 1 of 1

QAS-0

DATE OF CONSTRUCTION 4/8/82 SA-PLAC PERSONNEL PARTICIPATING R E Sevo; MPQAD
 TIME OF CONSTRUCTION 04:00 PM OTHER PARTY(S) J Fisher - Remedial Soils Manager
 DRAWN BY R.E. Sevo

PLACES AND/OR SYSTEMS DISCUSSED Discussion with the NRC for permission to activate the freeze wall.

SUMMARY OF CONVERSATION CPCo and Bechtel personnel had made a request to the NRC to allow partial activation of the freeze wall leaving windows (unfrozen zones) at intersections with the buried utilities.

The NRC denied this request and stated that approval will not be granted until the pits around the Q utilities had been completed and inspection by Dr R Landsman of the NRC.
Permission to activate the freeze wall will be considered after these conditions have been met. No partial activation will be considered.

- CC All Civil QAs (MPQAD)
- WRBird, P14-410A
- AJBoos, Bechtel-AA
- MADietrich, Bechtel-Midland
- JFisher, Bechtel-Midland
- SParker, Bechtel-Midland
- BAWardle, Midland
- JJMooney, P14-115A
- JFSchaub, P13-309A (0485.16 File)
- MSwanberg, Bechtel-AA
- RSevo, Midland

TREC'D 4/2/82
GLR

MEMO.
FROM- AL BOOS

To: Remedial Soils Group

CC: JAM
JRS
DMS
WRB
ARM
DFR
TRT
KBR
FV
NR
JK
EJ

Phases I and II Open Items
to Support Construction

A two-day work session was held on Tuesday, March 30, and Wednesday, March 31, 1982, to develop a list of all open items required to be completed for Phase I work, and to support Phase II work.

Attached is a listing of items discussed. This list will be discussed further at the weekly remedial soils schedule review meeting on Friday, April 2, 1982.

A1
AJB/ket
4/1/82

Attachment

→ NOTE: MEETING CANCELED.
WILL BE DISCUSSED
NEXT MEETING (4/9)

SITE
DES
GM
DEH

RS



MICHIGAN POWER COMPANY

RECEIVED
APR 06 1982

FIELD QUALITY ASSURANCE
MIDLAND, MICHIGAN

Listed below are the main topics reviewed for preparation of the list:

- I. NRC items
 - A. NRC staff
 - B. I & E
- II. Engineering design releases (drawings, specifications, and consultant interface)
- III. Material procurement
- IV. Procedure development
- V. Inspection plans
- VI. Construction

Phase I

Scope - Freerewall, groundwater control. FIVP jacking, access shaft to 609 feet, partial instrumentation installation.

I. NRC items

-
- A. Freerewall - Utility protection audit by I & E (Can we partial freeze? Flash freeze utility windows?)
 - B. Groundwater control - No open items
 - C. FIVP jacking - No open items
 - D. Access shaft to 609 feet - No open items
 - E. Partial instrumentation installations
 - 1. Supply copy of C-1493 to NRC
 - 2. Details of strain monitoring system for concrete and steel framing beam at 659

II. Engineering design releases

- A. Freerewall - DCNs to C-1315 and 1316 for shallow and deep utility protection
- B. Groundwater control
 - 1. Release of hold on dwg C- (ejectors south of turbine building)
 - 2. Supply of well data by Bechtel project engineer to Margentine
- C. FIVP jacking
 - 1. Release of dwg C-1494
 - 2. Revise spec C-198 to allow work to proceed on crack mapping? IFC only for instrument installation
 - 3. Engineering approval of jack locations
- D. Access shaft to 609 feet - No open items
- E. Partial instrumentation
 - 1. Issue dwg C-1493 for construction
 - 2. Issue dwg C-1490 and 1491 for addition of ninth DSTM
 - 3. Issue dwg C- with strain monitoring details (concrete strain and steel beam at 659 ft and 614 ft)
 - 4. WJE design details for raceway, wire pulling, and terminations to remove management stop work

III. Material procurement

- A. Freeze wall - Utility protection material by Mergentine
- B. Groundwater control - No open items
- C. FIVP jacking
 - 1. Delivery of jacks (Mergentine)
 - 2. Letter from MPQAD on acceptance of jack manufacturers' calibration program
- D. Access shaft to 609 feet - No open items
- E. Partial instrumentation
 - 1. WJE procurement of strain monitoring hardware
 - 2. Thermocouple and wire (who buys?)

IV. Procedure development

A. Freeze wall

Procedures for shallow utility protection installation

- Soldier piles
- Exc and lagging
- Surcharging
- Rebar & concrete

1. Procedures for deep utility protection installation

- a. driving sheet pile
- b. instl of wales
- c. excavation

- i. around utility
- ii. mass excavation

- d. contingency procedure for closure at top of clay under duct
- e. concrete placement

- B. Groundwater control (ejectors) - Resubmit and approve procedure for ejector installation using integrated inspection concept
- C. FIVP jacking - Issuance of procedure OP42 for crack mapping and centering will have to be in the integrated format
- D. Access shaft to 609 feet - No open items

E. Partial instrumentation

1. Resubmittal of WJE procedures OP38 and 39 in integrated work plan
2. Submittal and approval of procedures OP40 (data processing) and OP41 (emergency plan)
3. Submittal and approval of procedure for strain monitoring hardware installation (integrated format)

V. Inspection plans

A. Freezwall - For utility protection installation

B. Groundwater control - No open items

C. FIVP jacking

1. Need overinspection plan for crack mapping
2. Need inspection plan for jacking

D. Access shaft to 609 feet - No open items

E. Partial instrumentation

1. Field inspection plan for raceway installation
2. Field inspection plan for cable pulling
3. Field inspection plan for terminations
4. Revisions to PQCI-6.0 for instrument installation inspection
5. Inspection plan for strain monitoring hardware

VI. Construction status

A. Should be included in above

NRC items for Phase 2A, 2B and 3

I. Phase 2A

- A. Plan for pier load test during Phase 2A or plate load test in adjacent area prior to Phase 2A (not a restraint to construction)
- B. Plans for local groundwater control - restraint to 2A
- C. CPCo letter to NRC on QA philosophy, 3/30/82 (hand carried)
- D. Basis for total settlements since 1977 piping connection
- E. Criteria for connecting 2-inch \varnothing steam generator drain lines
- F. Provide results of 70 vs 30 kcf study for structural effects on existing building (2Q3)

II. Phase 3

- A. Construction sequence
- B. Develop tolerances for building movement based on 70 kcf
- C. Provide acceptance criteria for strain monitoring
- D. Provide acceptance criteria for DMD 11, 12, and 13 at el. 705
- E. Provide increased reading frequency for instrumentation for critical construction stages during Phase 3 (includes def of what the critical stages are)
- F. Provide results of loss of support study under EPA during long turbine building drift installation

III. Phase 2A and B

- A. Engineering design releases - Unless stated otherwise, dwgs are issued for construction - If necessary, holds for construction will be shown on Phase 2B work, where Phase 2A and B work are shown on the same dwg.
- B. Issue logic dwgs 1418 and 1418-1 Forecast
3/31/82 F
- C. Issue dwgs C-1422 4/16/82
 - C-1423 4/16/82
 - C-1424 4/23/82
 - C-1430 - lagging details for kc piers 4/23/82 (3/31/82)
 - C-1445 4/23/82

Forecast

	C-1445-1		4/23/82	
	C-1445-2		4/23/82	
	C-1417		4/09/82	
	C-1417-1		4/09/82	
opposite hand 1436 —	C-1427	1, 2, and 3 (for fab 3/31) -	3/31/82	IFF
	C-1434		4/23/82	IFC

D. Issue spec C-195, C-200Q, G-33 (couplers, grouts, sliding plates, ethafoam-grout for piers-), C-208 (incorporating C-195)

IV. Material procurement

- A. Steel sets
- B. Sliding plates
- C. Ethafoam
- D. Metal lagging for kc piers
- E. Jacks for kc piers
- F. Delivery of jacks
- G. Grout
- H. Pier instrumentation hardware (teltales, tubes, centering devices, gauges, etc.)
- I. Subcontract for ground stabilization
- J. G&H subcontract for rebar detailing, fabrication and installation

V. Procedures

A. Priority - required immediately

<u>Procedure</u>	<u>Description</u>
—	Procedure development (Q)
41	Welding procedure (Q)
15	Handling and storage of materials (Q)
44	Quality training program (Q)
1	Document control (Q)

B. Priority - required for drifts and pier shafts

<u>Procedure</u>	<u>Description</u>
12	Field fabrication of structural steel (Q)
47	Contingency plan for ground loss (Q)
—	Dewatering of local pockets (Q)
—	Construction of access pits and drifts and pier shafts (Q)
—	Drilling and installing rock anchors and expansion anchors (Q)
17	Removal of structural and lean concrete (Q)

Note:
Is this inclu
in spec C-200

C. Priority - required for pier construction

<u>Procedure</u>	<u>Description</u>
40	Placing and field bending rebar (Q)
32	Mechanical splicing of rebar (Fox Howlet and Cadwelds) (Q)
—	Placing miscellaneous imbedded steel (Q)
—	Placement of pier concrete (Q)
11-1	Sandblasting (Q)
—	Installation of jacking plates and stands (Q)
—	Load transfer for piers (excluding control tower) (Q)
—	Fabrication and threading of rebar (Q)
21	Repair of concrete (Q)

D. Priority - other

<u>Procedure</u>	<u>Description</u>
45	Concrete core drilling (Q)
9	Construction of access shaft below el. 609 (Q)
30	Drypacking (Q)
28	Grouting

Meeting 3/12/82

QA Action Items:

- (1) MPQA focal point for any more non-Q activities to be submitted to the NRC.
- (2) Q-plan for Spec. C-195 needs to be redone due to Wednesday meeting with NRC.
- (3) Q-plan for Spec. C-194 also needs to be revised per NRC meeting.
- (4) NRR, Joe Cain, wants details on grout curtain proposed for area of freeze wall with deep duct bank.
- (5) G&H subcontract to fabricate/ rebar will be non-Q. QC will inspect fabrication activities.
- (6) Jagdish -- the pressure grouting of the ^{best} cracks will be a "Q" order and "Q" procedure/drawings required per J. Morrey.
- (7) Call to NRC -- Don Horn to proof notes and distribute.
- (8) The NRC has some restrictions (see attached sheet) prior to start of Phase 2 activities.

Items attached to this QA list (to DEH only).

- (1) Rough notes
- (2) Previous notes and action list
- (3) Non-Q list
 - (a) Phase 2
 - (b) Completed activities
- (4) Spec. and drawing register remedials
- (5) Detailed schedule marked up
- * (6) Activities listing required to start Phase 2
- (7) Schedule review meeting
- ** (8) NRR commitments prior to start of Phase 2



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Power
Company
QA48-1

PROJECT INSPECTION PLAN AND REPORT

PROJECTS, ENGINEERING
AND CONSTRUCTION -
QUALITY ASSURANCE DEPARTMENT

PAGE 1 OF 2

PROJECT INSPECTION RECORD NO:	PROJECT INSPECTION PLAN NO: C-26F REV: 0	TITLE: Installation Inspection of Sheet Piles for Deep Q - Duct-Bank
DATE: N/A	PROJECT: Midland Units 1 & 2	PREPARED BY/DATE: Jason C. Smith 4/14/82
		APPROVED BY/DATE: R.E. [Signature] 4/14/82

SCOPE:

CHARACTER NO	CHARACTERISTIC DESCRIPTION	REFERENCE CRITERIA	REMARKS INITIALS/DATE
1.0	<u>PREREQUISITES</u>		
1.1	Prior to installation of sheet piles for deep Q-duct bank all supervisory staff or his designee shall be trained. All training sessions shall be documented V/R - WP - 100	C195-53-1 5.1,3.3,3.5	
1.2	Verify the acceptance of the subsequent revisions to shop drawing F7220-C-195-58(1) -1 are reviewed by MPQAD/QC prior to implementation V/R - WP - 100	C195-53-1 4.4	
2.0	<u>INSTALLATION OF SHEET PILES</u>		
2.1	While threading the adjacent sheet piles every other sheet shall be plumbed in accordance with the referenced drawings and tack-welded to the template. V/R - IP - 5	C195-53-1 7.4 Shop Drawing F7220-C195 - 58(1)	
2.2	Pile driving shall be stopped at 1'-6" from top of Q Duct-bank.	Shop drawing F7220-C195- 58(1)	

REMARKS: References: Shop Drawings: F7220 - C-195 - 58(1)
 Procedure: F7220 - C-195 - 53 - 1
 Technical Drawing: C-1316 (Q) Rev 1

ATTACHMENTS:

COMPLETED BY/DATE:

APPROVED BY/DATE:



PROJECT INSPECTION PLAN AND REPORT

PROJECT INSPECTION RECORD NO:

PROJECT INSPECTION PLAN NO: C-26F

REV: 0

CHARACTER NO	CHARACTERISTIC DESCRIPTION	REFERENCE CRITERIA	REMARKS INITIALS/DATE
2.3	Verify that the piles are driven 5' to 20' at a time and to approximately the same level. V/R - IP - S	C195-53-1 7.6	
2.4	Verify that the piles are driven to the design depth as shown in the referenced drawings, utilizing "Double acting hammer." V/R - IP - S	C195-53-1 7.6	
2.5	Verify that if obstructions prevent driving of sheet piles, the piles surrounding duct-bank are driven to the desired elevations as determined by the subcontractor, supervision. V/R - IP - S	C195-53-1 7.6	
3.0	QUALITY CONTROL INSPECTION & RECORDS		
3.1	Review QC inspection records including sketches to verify they are complete, accurate and up-to-date. R-IP/PP - S	Bechtel QC FIR-MPC-34	
3.2	Review quality control training records that QC personnel performing these inspections are trained. R - IP/PP - S	PSP G-8.1 Para 9.3	
3.3	Verify the QCE performance of inspection activities V - IP/PP - S	Bechtel QC FIR-MPC-34	



PROJECT INSPECTION PLAN AND REPORT

PROJECTS, ENGINEERING
AND CONSTRUCTION -
QUALITY ASSURANCE DEPARTMENT

PAGE 1 OF 2

TEST INSPECTION RECORD NO:	PROJECT INSPECTION PLAN NO: C-26F REV: 1	TITLE: Installation Inspection of Sheet Piles for Deep Q - Duct-Bank	
DI: N/A	PROJECT: Midland Units 1 & 2	PREPARED BY/DATE: Jagdish Chandra 4/25/82	APPROVED BY/DATE: REvised 4-28-82 [Signature] 4/28/82
PI:			

CHARACTER NO	CHARACTERISTIC DESCRIPTION	REFERENCE CRITERIA	REMARKS INITIALS/DATE
1.0	<u>PREREQUISITES</u>		
1.1	Prior to installation of sheet piles for deep Q-duct bank all supervisory staff or his designee shall be trained. All training sessions shall be documented V/R - HP - 100	C195-53-1 5.1,3.3,3.5	
1.2	Verify the acceptance of the subsequent revisions to shop drawing F7220-C-195-58(1) -1 are reviewed by MPQAD/QC prior to implementation V/R - HP - 100	C195-53-1 4.4	
2.0	<u>INSTALLATION OF SHEET PILES</u>		
2.1	While threading the adjacent sheet piles every other sheet shall be plumbed in accordance with the referenced drawings and tack-welded to the template. V/R - IP - S	C195-53-1 7.4 Shop Drawing F7220-C195 - 58(1)	
2.2	Pile driving shall be stopped at 1'-6" from top of Q Duct-bank.	Shop drawing F7220-C195- 58(1)	

REFERENCES: Shop Drawing: F7220 - C-195 - 58(1)

Procedure: F7220 - C-195 - 53 - 1

Revised Drawing: C-1316 (Q) Rev 1

REVISIONS:



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PROJECT INSPECTION PLAN AND REPORT

PROJECTS, ENGINEERING
AND CONSTRUCTION -
QUALITY ASSURANCE DEPARTMENT

PAGE 2 OF 2

PROJECT INSPECTION RECORD NO:

PROJECT INSPECTION PLAN NO: C-26F

REV: 1

CHARACTER NO	CHARACTERISTIC DESCRIPTION	REFERENCE CRITERIA	REMARKS INITIALS/DATE
2.3	Verify that driving of sheets will be such that the adjacent tips shall not exceed a differential of 20' nor any pile shall not be driven more than 20' at a time to maintain verticality. V/R - IP - S	C195-53-1 7.6 FCN #2040	
2.4	Verify that the piles are driven to the design depth as shown in the referenced drawings, utilizing "impact hammer." V/R - IP - S	C195-53-1 7.6 FCN #1985	
2.5	Verify that if obstructions prevent driving of sheet piles, the piles surrounding duct-bank are driven to the desired elevations as determined by the subcontractor, supervision. V/R - IP - S	C195-53-1 7.6	
3.0	QUALITY CONTROL INSPECTION & RECORDS		
3.1	Review QC inspection records including sketch to verify they are complete, accurate and up-to-date. R - IP/PP - S	Bechtel QC FIR-MPC-34	
3.2	Review quality control training records that QC personnel performing these inspections are trained. R - IP/PP - S	PSP G-8.1 Para 9.3	
3.3	Verify the QCE performance of inspection activities. V - IP/PP - S	Bechtel QC FIR-MPC-34	



PROJECT INSPECTION PLAN AND REPORT

PROJECTS, ENGINEERING
AND CONSTRUCTION -
QUALITY ASSURANCE DEPARTMENT

PAGE 1 OF 2

PROJECT INSPECTION RECORD NO:	PROJECT INSPECTION PLAN NO: C-26I REV: Q	TITLE: Installation Inspection of Access Pit for Deep Q Duct Bank	
DATE: N/A	PROJECT: Midland Units 1 & 2	PREPARED BY/DATE: Jagdish C. Shah 4/24/82	APPROVED BY/DATE: <i>[Signature]</i> 4/25/82 4/24/82
REVISIONS:			

CHARACTER NO	CHARACTERISTIC DESCRIPTION	- REFERENCE CRITERIA	REMARKS INITIALS/DATE
1.0	<u>PREREQUISITES</u>		
1.1	Prior to installation of access pit for Deep Q Duct Bank, all supervisory staff or his designee shall be trained. All training sessions shall be documented. V - IP - H	C195-59 5.1	
1.2	All welders shall be qualified and certified by Bechtel, prior to welding. V - IP - H	C195-59 5.2	
1.3	Verify that acceptance of the subsequent revisions to the referenced shop drawing M2, Rev 1 are reviewed by MPQAD and Quality Control prior to implementation. V - IP - H	C195-59 4.3	
2.0	<u>EXCAVATION</u>		
2.1	Verify that, if any perched water pockets are met, the dewatering shall be implemented prior to further excavation. V/R - IP/PP - S	C195-59 7.1 C195-64	

REMARKS:	REFERENCES: Merrittime Corporation procedures: F7220-C195-53-1 F7220-C195-59-1	
	Shop Drawing:	M-2 Rev 1
	Bechtel Drawings:	C1316 (O) Rev 1
	Bechtel Spec:	C231 (O) Rev 21

COMMENTS:

PROJECT INSPECTION PLAN AND REPORT

NO:	PROJECT INSPECTION PLAN NO: C-261 0	
	REV:	

CHARACTERISTIC DESCRIPTION	REFERENCE CRITERIA	REMARKS INITIALS/DATE	PJS S/DATE
<p>as outlined procedures for excavation followed as specified and the sides of excavation are controlled as and concurred by the contractor, Soils Group field engineer after consultation with resident geo-technical</p> <p>- S</p>	<p>C195-59 8.1, 8.2 9.2, 9.4</p>		
<u>INSTALLATION OF WALES & LAGGING</u>			
<p>The sequence of installing wales & lagging is followed as specified.</p> <p>- S</p>	<p>C195-59 8.1, 8.2</p>		
<p>That lagging & backpacking below grade is accomplished as specified.</p> <p>- S</p>	<p>C195-59 10.3</p>		
<p>If alternate H - beams are used, verify that steel channels are installed as lagging and backpacking is accomplished in accordance with approved procedure. (alternate)</p> <p>- S</p>	<p>C195-59 13.1 - 13.3</p>		
<u>CONCRETE PLACEMENT</u>			
<p>That before concrete is placed, the placement shall be approved by the onsite - Tech Engineer.</p> <p>- S</p>	<p>C195-59 11.1</p>		
<p>That mudmat or concrete is placed in accordance with project specification.</p> <p>- S</p>	<p>C195-59 11.1, 11.2 Bechtel Spec. C231 (Q) 5.6, 11.00</p>		
<u>CONTROL INSPECTION & RECORDS</u>			
<p>QC inspection records to verify they are complete, accurate and up-to-date.</p> <p>-S</p>	<p>Applicable Bechtel QC FIR/PQCI</p>		

CERTIFICATE OF SERVICE

'83 NOV -1 P12:07

I hereby certify that copies of the attached responses of Consumers Power Company to Discovery Questions of Intervenor Barbara Staniris were sent by U S Mail, first class, postage prepaid, to the attached service list this 27th day of October, except for Lynne Bernabei, William Paton and Chairman Bechhoefer, who were served by Federal Express.

Catherine M Gleeson

Catherine M Gleeson

DOCKETED

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

'83 NOV -1 P12:05

ATOMIC SAFETY AND LICENSING BOARD

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

LET FILE OF 5500
DOCKETING & SER.
Docket No 50-329 OL
50-330 OM
Docket No 50-329 OL
50-330 OL

AFFIDAVIT OF JAMES E BRUNNER

My name is James E Brunner. I am primarily responsible for providing a response to the interrogatory numbered 33 submitted by Barbara Stameris on October 11, 1983. To the best of my knowledge and belief, the response to the above-mentioned interrogatory is true and correct.

James E Brunner

Sworn and Subscribed Before me This 26th Day of Oct 1983

Alva C. Robinson

Notary Public
Jackson County, Michigan

My Commission Expires October 1, 1986

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

'83 NOV -1 P12:06

ATOMIC SAFETY AND LICENSING BOARD

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

OFFICE OF THE CLERK
DOCKETING SECTION
Docket No 50-329 OM
50-330 OM
Docket No 50-329 OL
50-330 OL

AFFIDAVIT OF JEROME E KOSTIELNEY

My name is Jerome E Kostielney. I am primarily responsible for providing responses to the interrogatories numbered 25, 26, 27, 28 and 29 submitted by Barbara Stamiris on October 11, 1983. To the best of my knowledge and belief, the responses to the above-mentioned interrogatories are true and correct.

Jerome E. Kostielney

Sworn and Subscribed Before me This 25th Day of Oct 1983

Patricia A. Puffer

Notary Public
Midland County, Michigan

My Commission Expires March 4, 1983

DOCKETED
USNRC

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

'83 NOV -1 P12:06

ATOMIC SAFETY AND LICENSING BOARD

OFFICE OF
DOCKETING & SERVICE
BRANCH

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

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

AFFIDAVIT OF GLENN MURRAY

My name is Glenn Murray. I am primarily responsible for providing responses to interrogatories 31 and 32 submitted by Barbara Stamiris on October 11, 1983. To the best of my knowledge and belief, the responses to the above-mentioned interrogatories are true and correct.

Glenn Murray

Sworn and Subscribed Before me This 25 Day of Oct 1983

Patricia A. Pfeffer

Notary Public
Midland County, Michigan

My Commission Expires *March 4, 1986*

DOCKETED
NOV 1 1983

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

'83 NOV -1 P12:06

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

DOCKET NO. 50-329 OM
50-330 OM
DOCKET NO. 50-329 OL
50-330 OL

AFFIDAVIT OF DAVID F RONK

My name is David F Ronk. I am primarily responsible for providing responses to the interrogatories numbered 15 and 17 and jointly responsible for providing responses to interrogatories numbered 20, 21 and 22 submitted by Barbara Stamiris on October 11, 1983. To the best of my knowledge and belief, the responses to the above-mentioned interrogatories are true and correct.

David F. Ronk

Sworn and Subscribed Before me This 25th Day of Oct. 1983

Lorraine A. Luff

Notary Public
Midland County, Michigan
BAY

My Commission Expires March 4, 1983

DOCKETED
USNRC

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

'83 NOV -1 P12:06

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

OFFICE OF SALES
Docket No. 50-329 OM
EPAND 50-330 OM
Docket No 50-329 OL
50-330 OL

AFFIDAVIT OF JOHN R SCHAUB

My name is John R Schaub. I am jointly responsible for providing responses to interrogatories numbered 20, 21 and 22 and primarily responsible for providing responses to interrogatories numbered 23 and 24 submitted by Barbara Stamiris on October 11, 1983. To the best of my knowledge and belief, the responses to the above-mentioned interrogatories are true and correct.

John R Schaub

Sworn and Subscribed Before me This 25th Day of Oct 1983

Lorraine A. Linder

Notary Public
Midland County, Michigan

My Commission Expires May March 4, 1986

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

DOCKETED
NOV -1 P12:06

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

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

AFFIDAVIT OF JAMES A MOONEY

My name is James A Mooney. I am primarily responsible for providing responses to the interrogatories numbered 6, 7, 8 and 9 submitted by Barbara Stamiris on October 11, 1983. To the best of my knowledge and belief, the responses to the above-mentioned interrogatories are true and correct.

J. Mooney

Sworn and Subscribed Before me This 25th Day of Oct 1983

Alva C. Robinson

Notary Public
Jackson County, Michigan

My Commission Expires October 1, 1986

1

RECEIVED

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

'83 NOV -1 P12:06

ATOMIC SAFETY AND LICENSING BOARD

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

OFFICE OF THE
SECRETARY
Docket No. 50-329 OM
50-330 OM
Docket No 50-329 OL
50-330 OL

AFFIDAVIT OF ROBERT SEVO

My name is Robert Sevo. I am primarily responsible for providing responses to the interrogatories numbered 10, 11, 12, 13 & 14 submitted by Barbara Stameris on October 11, 1983. To the best of my knowledge and belief, the responses to the above-mentioned interrogatories are true and correct.

RE Sevo

Affirmed and Subscribed Before me This 21st Day of Oct 1983

Patricia A. Puffer

Notary Public
Midland County, Michigan

My Commission Expires March 4, 1983

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

'83 NOV -1 P12:06

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

OFFICE OF THE SECRETARY
Docket No. 50-329 OM
50-330 OM
Docket No 50-329 OL
50-330 OL

AFFIDAVIT OF RODNEY H WIELAND

My name is Rodney H Wieland. I am primarily responsible for providing a response to Interrogatory 30 submitted by Barbara Stamiris on October 11, 1983. To the best of my knowledge and belief, the response to the above-mentioned interrogatory is true and correct.

Rodney H Wieland

Affirmed and Subscribed Before me This 21st Day of Oct 1983

Patricia A. Miller

Notary Public
Midland County, Michigan

My Commission Expires March 4 1986

ON file / TERA - told Pearl
OK to eliminate ALL file.
no more copies to DAH
file

5/16/93

- ALAB-106, dated March 23, 1973, &
Amendment 1 to Const. Permit.
- Appeal Board order
- (1) Stop sending this information
- (2) Nothing Prohibits destroying, but staff review
at ASLB.

Ten Years later, need to drop monthly
Reports: NCR
CAR
Resumes

Ten Copies!

Significant Notification - 50.55(e)

Midland Section would also alleviate this
additional attention

Normal Inspection process would review documents

DB -

Do not stop now, to political, intervenors
receiving copies.

A. Monthly

1. Bechtel Nonconformance Reports
2. Bechtel Nonconformance Report Log Sheets
3. Bechtel FSD Nonconformance Reports
4. Bechtel FSD Nonconformance Report Log Sheets
5. Bechtel Quality ~~Action~~ Request
6. Bechtel Management Corrective Action Requests
7. Bechtel Quality Assurance findings
8. Bechtel FLAG & Quality Action Reports
9. Babcox and Wilcox Reports of Nonconformity
10. Babcox and Wilcox In-Service Inspection Nonconformance Reports
11. Consumers Power Nonconformance Reports
12. CPCo Audit finding Reports
13. CPCo Quality Action Request
14. CPCo Quality Action Reports

15. CPCo Corrective Action Reports

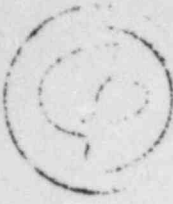
16. CPCo ~~Management~~ Management Corrective Action Reports

B. Quarterly Report

1. ~~Q~~ Quarterly Work Activities Report

2. h. Resumes

Do we want...
Save? RW



COMMUNITONS
POWER
COMPANY

James W Cook
Vice President - Projects, Engineering
and Construction

General Offices: 1945 West Parnall Road, Jackson, MI 49201 • (517) 788-0453

PRINCIPAL STAFF	
RA	✓
D/PA	✓
A/PA	
S/P	
DP	
ES	
PE	
PL	
OL	

April 29, 1983

Director of Office of Inspection
and Enforcement
Att Mr Richard C DeYoung
US Nuclear Regulatory Commission
Washington, DC 20555

IN Hts

can we dump

MIDLAND NUCLEAR COGENERATION PLANT
ALAB-106 QUARTERLY REPORT - ADDENDUM
DOCKETS NOS 50-329 AND 50-330
FILE: 0.4.6 SERIAL: 22185

Reference: J W Cook letter to R C DeYoung, Serial 22169, dated
March 31, 1983

On March 31, 1983, we submitted to you our 41st ALAB-106 Quarterly Report covering the period April 1 through June 30, 1983. At that time we committed to sending you an addendum containing the resumes of some recently hired employees which were not available for submittal with our report. Enclosed are those additional resumes. A minor change was also made to the Quarterly Work Schedule.

James W Cook

JWC/WRB/lr

CC: RJCook, USNRC Resident Inspector
Midland Nuclear Plant

JGKepler, NRC Region III

~~830509052~~

MAY 9 1983

OC0483-0039A-MP01



**Consumers
Power
Company**

James W Cook
Vice President - Projects, Engineering
and Construction

General Office: 1988 West Parkhill Road, Jackson, MI 48301 • (313) 768-8083

February 22, 1983

Director of Office of Inspection
and Enforcement
Att Mr Richard C DeYoung
US Nuclear Regulatory Commission
Washington, DC 20555

MIDLAND NUCLEAR COGENERATION PLANT
ALAB-106 MONTHLY REPORT FOR JANUARY 1983
DOCKET NOS 50-329 AND 50-330
FILE: 0.4.6 SERIAL: 20710

In accordance with Condition of Memorandum and Order ALAB-106, dated March 23, 1973, and Amendment No 1 of the Midland Plant Construction Permit, enclosed are ten copies of the following documents written or closed during the month: Bechtel Nonconformance Reports; sheets from the Bechtel Nonconformance Report Log; Bechtel FSO Nonconformance Reports; sheets from the Bechtel Management Corrective Action Reports; Bechtel Quality Assurance Findings; Bechtel FLAGS Quality Action Reports; Babcock & Wilcox Reports of Nonconformity; Babcock & Wilcox In-Service Inspection Nonconformance Reports; Consumers Power Company Nonconformance Reports; Audit Finding Reports; Quality Action Requests; Corrective Action Reports; and Management Corrective Action Reports.

James W. Cook

JWC/WRB/ljr

CC JCKeppler, USNRC Region III (w/enc)
BJCook, WRC Resident Inspector, Midland Site (w/enc)

8303100208-830222
PDR ADOCK 05000329
R PDR

OC0283-0016A-MP01

*Docob
1/90*

Notes

8/25

- CIO patterned after the Teledyne / S&W effort at Diablo Canyon. Much more comprehensive.

- Personnel 9 on site - 1 man per team - 1-3 support eng. - 5 auditors. 1 Program mgr. - 2 Supervisors - 15

Coverage as necessary!

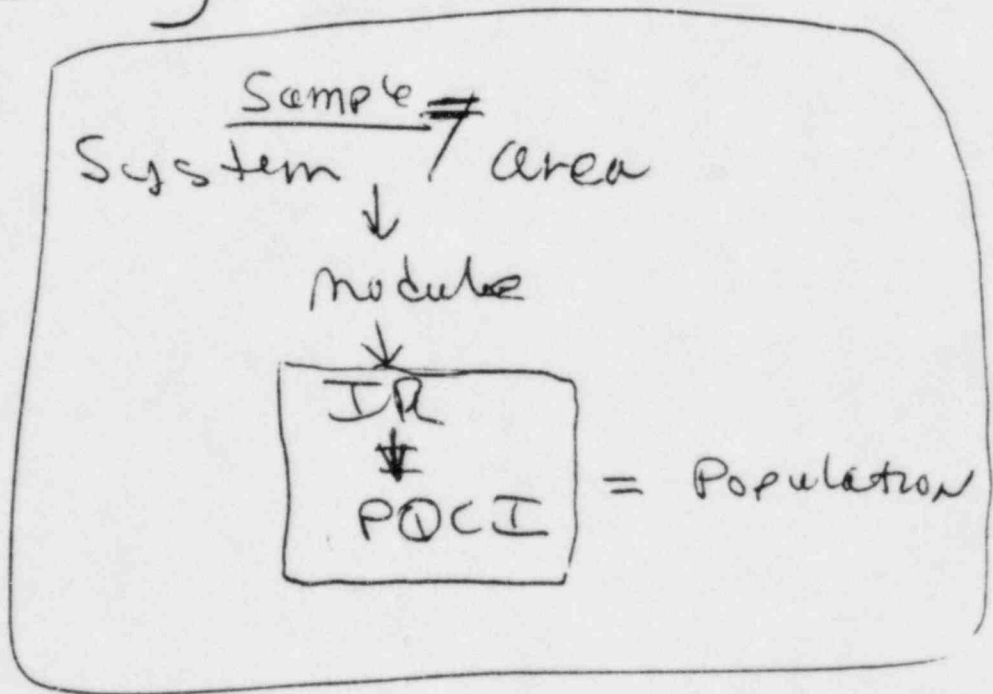
total 21 up to 32 - dynamic

what about

Inspector: # _____
Auditors: # _____ ↕

- System by :
IR
↓
POCI

} Sample Basis



S&W Meeting

Conference
Novak, Hood, ^{Call} Novick,
S&W

Tom Novak / D. Hood

- Bruce Peck site tour, plot plan 3 modules

- S&W Methodology

• Procedures

• Checklist

- S&W Methodology

questions letters

- Sampling

Confidence in

100% Inspection S&W (NRC)

High level in beginning

lesser overview into a real audit mode

- S&W Justify what was overviews / conclusions before
technical justification - why only 50%

- Something other than "Best Eng. Judgment" experience with
Jim Stone / specific problem areas, etc.

• Paul Amorosu

Richard Kelly Vice - President (Manager & QA.
Robert Bob) Burns Asst. Quality Assurance

• Stan Cuck - Resumes / new people on site.

Billie Garde - copy to NRR (for S. Ue.)

(1) Methodology of Verification & Define

a) Verification Checklist, will any hardware testing or independent measurements be taken; i.e., any dimensions or actual inspection be performed?

(b) Should a problem arise on the items being ~~verified~~ ^{reported}, how will this be handled?

(c) Should a problem arise with the PQCI ~~to~~ [?] how will this be reported?

(d) will all problems found by SEW be identified on QCIR's?

(e) Will these ^{problems} be identified immediately, or following consultation with CPCI, Bechtel (this will assure a total record paper trail)?

(2) Percentage of Work to be Reviewed:

a) Basis:

- 100%
- Sample
- Tightened
- Reduce

b) By System or Areas

Be able to discuss at each monthly meeting

3. PQCI's

a) IS ^{an Attribute} Checklist being prepared for each PQCI?

b) IF Not, Combination of discipline is utilized, what is basis?

4. Interactions - with CPCo / Bechtel

a) Contact Points / Protocol

b) Information Access

c) Accessibility of software generated data - PDR vs. files..
Accessibility by WRC

5. Mgt Reviews : Scope - Changes

a) Detail of Findings / Reports

b) Close-outs items

c) Scope change - will mgt. review on a system area be reviewed should problem occur that warrant such a meeting

Independent
6. Inspections -

a) will S&W perform any independent inspections.

TERA - Howard Levin 301/654-8960

TERA Concerns: by P. Kishishian / G. Gowan

- Bechtel hard-balling - not cooperating
stalling - cleaning up prior to submission
spin - let - white-wash.
- CPCs cramped Qtr 1 - attention,
cooperation could be better.
- Problem A²
- Howard Levin frustrated, staff not achieve
goal.
- Bechtel data to TERA almost stopped
- 3rd Party effort in jeopardy
- 4 Cal's request - 3 sets not available
for 3 to 4 weeks



Trend of recent changes
dwg, specs, Cal's

- Stand By Elect Power - 3 sets of Cal's
could not furnish due to in review
process • QPE-1 Load Profile - QPE-7 Inverse
Load Cal's, QPE-4 5KV Cable Dist not app.
QPE-6 Voltage Load study

Levin

- Design Area - Concern - timeliness
 - Bechtel Beau
 - Cal's proprietary ??? - chain for release combination
 - efficiency
 - Modifying Info - change / clean-up prior to submitter
 - Requiring TERM to review most current revision. proprietary clause
 - ID CVP Program in Jeopardy
 - Provide what exist, note revision, forward later.
-
- Individual who won't job must be open to communicate - not upper manager

6/28/84

FROM NORELIUS' FILE



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

*Noretius
file*

June 12, 1984

Ms. Barbara Stamiris
5795 N. River
Freeland, MI 48623

Dear Ms. Stamiris:

This is in response to your letter of May 14, 1984 criticizing me for statements and positions I've taken recently on the Midland nuclear project. Frankly, after reviewing your letter, I consider many of your accusations personally insulting and without merit.

You have accused me of being a utility advocate, placing Consumers Power Company's financial needs ahead of public safety needs, because I stated that the utility's estimated completion date of 1986 for the Midland project was "reasonable and attainable" and because I recently met with the staff of the Michigan Public Service Commission in private regarding Midland. I would like to address these matters to set the record straight.

My comments at the public meeting in Midland on May 4, 1984, regarding Consumers Power Company's revised schedule for Midland were consistent with the remarks given by Messrs. Dircks and Eisenhut, and me at the NRC Commission meeting of April 22, 1984, in which you and others were given an opportunity to state your views to the Commission on Midland. We stated that we were encouraged that the utility had backed off its previously announced completion estimate of 1984, which in our view was clearly unrealistic, and based on our experience we believe that operation by the end of 1986 is reasonable.

You criticized me for failing to convene the Caseload Forecast Panel to assess the realism of Consumers Power Company's schedule. It appears that you continue to misunderstand the purpose of the Caseload Forecast Panel. Convening the panel is not a regulatory requirement. The sole purpose of this regulatory tool is to provide NRC with an estimated completion date, when the project is nearing completion, to assist the Office of Nuclear Reactor Regulation in scheduling its licensing reviews. In April 1984, Consumers Power Company requested that the Caseload Forecast Panel review the revised construction schedule for Midland. Because the project is still better than two years away from projected fuel load, NRC Headquarter's management decided to have the licensee describe its revised schedule and related assumptions at a public meeting rather than conduct a Caseload Forecast Panel review. The staff may elect to have a Caseload Forecast Panel convened in 1985 when the findings would be more meaningful. I don't think that my statement that the licensee's forecasted schedule sounded "reasonable and achievable" was out of line. You should note that I qualified that statement by noting that the key factor likely to affect the schedule was the amount of rework that would be required based on the reinspection program.

8406150082

June 12, 1984

With respect to my meeting with the staff of the Public Service Commission, the NRC staff felt it was necessary to clarify certain NRC positions regarding Midland. The Public Service Commission staff had issued a staff conclusion April 11, 1984, which stated that Midland was no longer a viable option for Michigan's electrical needs. This report based its conclusions on a number of factors, one of which was the uncertainty associated with the NRC regulatory process. The purpose of our meeting was to clarify for the PSC staff where the NRC stood on various issues relative to Midland and what remained to be done for NRC licensing of the plant. In meeting with the PSC staff, representatives from the Office of Nuclear Reactor Regulation and the Office of Inspection and Enforcement accompanied me so that a full NRC staff position could be conveyed to the PSC staff on these matters.

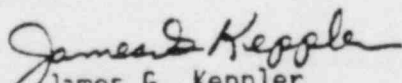
You also commented on the management audit proposal and what you consider to be my "regulatory lenience." Let me address these matters as well.

The NRC approval of Cresap, McCormick, and Paget (CMP) to perform the management audit at Midland was based on the information provided at the May 4, 1984, meeting in addition to the previously submitted information. At that meeting, satisfactory answers were provided to the NRC's concerns raised in my letter of April 10, 1984 --- including concerns about TERA's independence and the need for a retrospective analysis. After CMP completes the reconnaissance portion of its study we intend to meet with CMP again in Midland to review CMP's more detailed plans for the management appraisal. That meeting will be open to public observation.

You have blamed the serious problems at Midland on my "regulatory lenience." I think if you will compare the enforcement actions taken against Midland with those taken at other problem plants around the country, your statement doesn't stand the scrutiny. I would point out that Midland has had more escalated enforcement actions (civil penalties and orders) taken by the NRC than any other facility during the construction phase.

In closing, I see no reason why the previously discussed actions taken by the NRC staff should be interpreted as ones of "advocacy." And, certainly, neither of these actions has done anything to jeopardize public safety. While the NRC staff believes that Consumers Power Company has developed a workable construction completion program and reasonable schedule for completing the project, the NRC staff intends to follow closely the conduct of the Construction Completion Program to assure the quality of the plant.

Sincerely,


James G. Kepler
Regional Administrator

cc: See Attached Distribution List

Distribution List

cc:

- NRC Commissioners
- Senator Levin
- Senator Riegler
- Governor Blanchard
- Michigan Public Service Commission
- Attorney General Kelley
- W. J. Dircks, EDO
- H. R. Denton, NRR
- V. Stello, Jr., DEDROGR
- Mr. James W. Cook
 - Consumers Power Company
 - Vice President/Midland Project
- DMB/Document Control Desk (RIDS)
- Resident Inspector, RIII
- The Honorable Charles Bechhoefer, ASLB
- The Honorable Jerry Harbour, ASLB
- The Honorable Frederick P. Cowan, ASLB
- William Paton, ELD
- Michael Miller
- Ronald Callen, Michigan
 - Public Service Commission
- Myron M. Cherry
- Barbara Stamiris
- Mary Sinclair
- Wendell Marshall
- Colonel Steve J. Gadler (P.E.)
- Howard Levin (TERA)
- Billie P. Garde, Government
 - Accountability Project
- Lynne Bernabei, Government
 - Accountability Project
- Stone and Webster Michigan, Inc.

RIII
JJA
 Warnick
 6/11/84

RIII
NI
 Norelius
 6/11/84

RIII
ES
 Strasma
 6/12/84

RIII
SL
 Lewis
 6/11/84

RIII
JJA
 Davis
 6/ /84

RIII
JJA
 Keppler/jg
 6/12/84

To: R J Cook, NRC

TO: File 16.0

FROM: *EL Jones*
EL Jones, Midland

DATE: June 30, 1982

SUBJECT: NRC Items Ready for Closure

CC: EJCole, Midland
ELJones, Midland
MJSchaeffer, Midland
MADietrich, Bechtel-Midland

DMTurnbull, Midland

The following NRC open items are ready for closure by the NRC:

<u>NRC Open Item No.</u>	<u>Type of Item</u>	<u>Names of NRC Inspectors Opening the Item</u>	<u>NRC Should Visit in Order to Close</u>
S-1494	82-06-02	Ron Gardner	Site

RJ Cook NRC

TO: 16.0

FROM: MJSchaeffer *Mg. Schaeffer*

DATE: July 7, 1982

SUBJECT: NRC Items Ready for Closure

CC: BJCole, Midland
MLCurland, Midland
BWMarguglio, Midland
DMTurnbull, Midland

The following NRC open items are ready for closure by the NRC:

<u>NRC Open Item No.</u>	<u>Type of Item</u>	<u>Names of NRC Inspectors Opening the Item</u>	<u>NRC Should Visit in Order to Close</u>
81-12-07 S-847	URI	RNGardner	CJones/RNGardner

RON COOK - MRC

TO: FILE 16.0

FROM: Ed Jones

DATE: 6/15/82

SUBJECT: NRC Items Ready for Closure

CC: BJ Cole, Midland
EL Jones, Midland
MJSchaeffer, Midland
MADietrich, Bechtel-Midland
DMTurnbull, Midland

The following NRC open items are ready for closure by the NRC:

<u>NRC Open Item No.</u>	<u>Type of Item</u>	<u>Names of NRC Inspectors Opening the Item</u>	<u>NRC Should Visit in Order to Close</u>
S-1157	81-20-01	RAY LOV8	SIT8
S-1159	81-20-03	RAY LOV8	SIT8
S-1313	81-22-01	RON COOK	SIT8
S-1493	82-06-01	RON GARDNER	SIT8

OCC: RJC 6/21/82 JWA.

Ron Cook - NRC

TO: File 16.0
FROM: REWhitaker, Midland *REWhitaker*
DATE: June 15, 1982
SUBJECT: NRC Items Ready for Closure

CC: BJCole, Midland
MLCurland, Midland
DMTurnbull, Midland
REWhitaker, Midland

The following NRC open items are ready for closure by the NRC:

<u>NRC Open Item No.</u>	<u>Type of Item</u>	<u>Names of NRC Inspectors Opening the Item</u>	<u>NRC Should Visit in Order to Close</u>	
80-15/16-03	URI	C Erb	Midland	(S 466)

BCC: RJC 6/22/82 *RJC*

Ron Cook.

TO: File 16.0

FROM: REWhitaker, Midland

DATE: June 10, 1982

SUBJECT: NRC Items Ready for Closure

CC: BJCole, Midland

The following NRC open items are ready for closure by the NRC:

<u>NRC Open Item No.</u>	<u>Type of Item</u>	<u>Names of NRC Inspectors Opening the Item</u>	<u>NRC Should Visit in Order to Close</u>	
80-11/12-01	URI	IT Via	Midland	S-280

MLCurland
DMTurnbull
REWhitaker

file

To: MLCurland
From: DEHorn *DEHorn*
Date: June 4, 1982
Subject: NRC Items Ready for Closure

CC: BJCole
DMTurnbull
RJCook

The following NRC open items are ready for closure by the NRC:

<u>NRC Open Item No.</u>	<u>Open Action Item</u>	<u>Type of Item</u>	<u>Names of NRC Inspectors Opening the Item</u>	<u>NRC Should Visit in Order to Close</u>
82-05-01	S1489	Deviation	Dr Ross Landsman	Midland
82-05-02A	S1492	Item of Noncompliance	Dr Ross Landsman	Midland
82-05-02B	S1491	Item of Noncompliance	Dr Ross Landsman	Midland
82-05-02C	S1508	Item of Noncompliance	Dr Ross Landsman	Midland
82-05-02D	S1490	Item of Noncompliance	Dr Ross Landsman	Midland

TO: FILE 16.0
FROM: RA SEBA
DATE: FEBRUARY 15, 1982
SUBJECT: NRC Items Ready for Closure

CC: CCarlin, Midland
DM Turnbull, Midland

The following NRC open items are ready for closure by the NRC:

<u>NRC Open Item No.</u>	<u>Type of Item</u>	<u>Names of NRC Inspectors Opening the Item</u>	<u>NRC Should Visit in Order to Close</u>
S457	Unresolved	Mr. Naidu	YES

bcc: ~~████████████████████~~

Ron Cook

TO: DMTurnbull
FROM: MJSchaeffer ^{Jm/d}
DATE: January 15, 1982
SUBJECT: NRC Items Ready for Closure

CC: CMCarin, Midland

The following NRC open items are ready for closure by the NRC:

<u>NRC Open Item No.</u>	<u>Type of Item</u>	<u>Names of NRC Inspectors Opening the Item</u>	<u>NRC Should Visit in Order to Close</u>
50-329/81-11-04	Noncompliance	Ron Gardner	MJSchaeffer
50-330/81-11-03			

TO: File
FROM: *H. J. Perrine*
H. J. Perrine

DATE: 1/5/82

SUBJECT: NRC Items Ready for Closure

CC: C. Carlin, Midland

The following NRC open items are ready for closure by the NRC:

<u>NRC Open Item No.</u>	<u>Type of Item</u>	<u>Names of NRC Inspectors Opening the Item</u>	<u>NRC Should Visit in Order to Close</u>
S-474	Unresolved Item 80-30/31-01 Station battery Rack hardware	KRNaidu	Yes

bcc: NRC

RC Cook

TO: File
FROM: *H. J. Perrine*
H. Perrine
DATE: 1/5/82
SUBJECT: NRC Items Ready for Closure
CC: CMCarin, Midland

The following NRC open items are ready for closure by the NRC:

<u>NRC Open Item No.</u>	<u>Type of Item</u>	<u>Names of NRC Inspectors Opening the Item</u>	<u>NRC Should Visit in Order to Close</u>
S-474	Unresolved Item 80-30/31-01 Station battery Rack hardware	KRNaidu	Yes

Row Cook

TO: File 16.0

FROM: R E Whitaker *rw*

DATE: December 17, 1981

SUBJECT: NRC Items Ready for Closure

CC: CMCarlin, Midland

The following NRC open items are ready for closure by the NRC:

<u>NRC Open Item No.</u>	<u>Type of Item</u>	<u>Names of NRC Inspectors Opening the Item</u>	<u>NRC Should Visit in Order to Close</u>
S-433	Concern	R J Cook	Midland - Site

TO: File 16.0

FROM: DMTurnbull, Midland *D*

DATE: December 2, 1981

SUBJECT: NRC Items Ready for Closure

CC: CMCarlin, Midland

The following NRC open items are ready for closure by the NRC:

<u>NRC Open Item No.</u>	<u>Type of Item</u>	<u>Names of NRC Inspectors Opening the Item</u>	<u>NRC Should Visit in Order to Close</u>
81-12-02	Unresolved Item	R Cook	Midland Site
81-12-03	Unresolved Item	R Cook	Midland Site

The items are identified as HA-1 and 4 and HA-8.

D
DMT, dea

bcc:

To File 0.4.2 (NRC Report 81-12)

FROM DMTurnbull, Midland

DATE October 6, 1981

SUBJECT MIDLAND PROJECT - URI 329/330/81-12-02
ACTION ITEM S842 (HA-1 and HA-4)
File 0.4.2 Serial 14044

cc WTagerter, Midland
LRHowell, Midland

**Consumers
Power
Company**

INTERNAL
CORRESPONDENCE

This unresolved item, opened by R J Cook, consists of two items which had concerned Harold Allen.

The information necessary to resolve both of these concerns is available in the MPQA site office in my folders marked HA-1 and HA-4.

No further action is required from MPQA at this time, pending evaluation by R J Cook.

DMT/dea

~~cc: [REDACTED]~~

To: DMTurnbull
 From: RChirzel *CRD*
 Date: August 18, 1981
 Subject: NRC Items Ready for Closure

CC: DEHorn
 CACHien

The following NRC open items are ready for closure by the NRC:

<u>NRC Open Item No.</u>	<u>Type of Item</u>	<u>Names of NRC Inspectors Opening the Item</u>	<u>NRC Should Visit in Order to Close</u>
50-329/81-09-01 } 50-330/81-09-01 }	Noncompliance	RB Landsman	No

RCH/dea

~~_____~~

Ren Cook

To: DMTurnbull
From: A E Schlaifer, Ext. 551
Date: June 10, 1981
Subject: NRC Items Ready for Closure

CC: ~~XXXXXXXXXX~~
SKThurrow
REWhitaker
DRKeating

The following NRC open items ^{is} ~~are~~ ready for closure by the NRC:

<u>NRC Open Item No.</u>	<u>Type of Item</u>	<u>AI</u>	<u>Names of NRC Inspectors Opening the Item</u>	<u>NRC Should Visit in Order to Close</u>
329/78-19-03 330/78-19-03	URI	S278B	I. T. Yin	Bechtel/Ann Arbor

Analysis of:

- (1) Computer modeling of existing anchor base plate hole locations.
- (2) Restraining conditions at the bolt holes and plate edges.
- (3) Possible bolt lead increase due to plate flexibility increase.

AES
AES/jkd

RON COOK

To: DMTurnbull
From: A E Schlaifer, Ext. 551
Date: June 1, 1981
Subject: NRC Items Ready for Closure

CC: HPLeonard
SKThurrow
REWhitaker

The following NRC open items are ready for closure by the NRC:

<u>NRC Open Item No.</u>	<u>Type of Item</u>	<u>AI</u>	<u>Names of NRC Inspectors Opening the Item</u>	<u>NRC Should Visit in Order to Close</u>
329/79-01-01 330/79-01-01	URI	S448	I. T. Yin	Midland Jobsite
2) 329/79-01-02 330/79-01-02	URI	S449	I. T. Yin	Bechtel/Ann Arbor
3) 329/79-05-02 330/79-05-02	URI	S450	I. T. Yin	Bechtel/Ann Arbor
4) 329/79-05-03 330/79-05-03	URI	S451	I. T. Yin	Bechtel/Ann Arbor

- 1) "Measures to determine acceptable welding across the beam flange was not a part of the approved design and review procedures for both existing and new hanger installations."
- 2) "The adequacy of hanger drawing review, and the installation of these hangers will be further examined during a future inspection."
- 3) "The adequacy of ITT-G hanger calculations will be reviewed during a future followup inspection."
- 4) "The inspector was unable to obtain BAPC's methodology and deflection criteria on how they determined the-overall acceptability of the hanger system design."

AES

AES/jkd

PRINT TO ~~██████████~~ 5-18-81

To: DM Turnbull
From: DE Horn *DEH*
Date: May 13, 1981
Subject: NRC Items Ready for Closure

CC: HP Leonard
SK Thurow

The following NRC open items are ready for closure by the NRC:

<u>NRC Open Item No.</u>	<u>Type of Item</u>	<u>Names of NRC Inspectors Opening the Item</u>	<u>NRC Should Visit in Order to Close</u>
70-6	Unresolved	G. C. Gower	Midland

DEH/jkd

PRINT TO ~~Bob Cook~~, USNRC :

To: DMTurnbull
From: RE Whitaker
Subject: NRC Items Ready for Closure

cc: HPLeonard
SKThurrow

The following NRC open items are ready for closure by the NRC:

<u>NRC Open Item No.</u>	<u>Type of Item</u>	<u>Names of NRC Inspectors Opening the Item</u>	<u>NRC Should Visit in Order to Close</u>
78-19-02	Unresolved	IT Yin	Site
79-05-04	Unresolved	IT Yin	visit should not be needed. Info was sent to IT Yin on 4/30/7

PRINT TO ~~2-1-81~~

Call 4-16-81

To: DM Turnbull
From: MJ Schaeffer
Date:
Subject: NRC Items Ready for Closure

CC HP Leonard
SK Thurow

The following NRC open items are ready for closure by the NRC:

<u>NRC Open Item No.</u>	<u>Type of Item</u>	<u>Names of NRC Inspectors Opening the Item</u>	<u>NRC Should Visit in Order to Close</u>
80-30/31-02	Unresolved	K. R. Naidu	tidland

mj
MJS/jkd

1... - 650 Line - R&W

PRINCIPAL CONTACT:

PRINCIPAL INSPECTOR: GOWEY

BACKUP INSPECTOR:

INSPECTION HISTORY

DATE(S)	TYPE OF VISIT	INSPECTOR(S)	INSPECTION REPORT NO.	REMARKS
1/14/70	Mgmt. Meeting	Gower/Fiorelli	329/70-1	
3/10-12/70	QA Inspection	Gower/Dreher/GF	329/70-2	Several deficiencies noted.
4-7-70	QA Mgmt Meeting	Gower/Fiorelli	329/70-3	- - -
5-1-70	Inspection	Gower/Fiorelli	329/70-4	No items of noncompliance.
6/26/70	Inspection	Gower	329/70-5	No items of nonconformance.
9/29&30&10/1/70	Inspection	Gower	329/70-6	CDN-4 items of nonconformance.
1/7/71	Inspection	Gower/Oller	329/71-1	No items of noncompliance.
8-19-71	Inspection	Sutton/Vandel	329/71-02	No items of nonconformance.
9-7-72	Inspection	Erb/Oller	329/72-01	No items of nonconformance.

LICENSEE	LOCATION	LICENSE NO.	DOCKET NO.	CAT.	LAST INSP.	INSP. DUE
UMERS POWER COMPANY	Midland Unit 1 Midland, Michigan	CPPR-81	50-329	A		

DATE	TYPE OF VISIT	INSPECTOR	REF.	REMARKS
23/73	Inspection	Rohrbacher, Vetter	329/73-01	
17-73	Meet Meeting	Vetter/Lohrbacher	329/73-02	No violations.
24&25/73	Audit Surveillance	Vandel	329/73-03	No violations, B&W, Barberton
14&15/73	Audit Surveillance	Vandel	329/73-04	No violations, B&W, Mt. Vernon
26-28/73	Inspection	Rohrbacher/Erb	329/73-05	No violations.
23 8/8-10/73	Inspection	Hayes/Rohrbacher/TEV	329/73-06	
5-	Inspection	Rohrbacher	329/73-07	
10, 11&27/73	Audit Surveillance	Vandel/Dickerson	329/73-08	
7/10&11/73	Inspection	Rohrbacher	329/73-09	
7/6-8, 15, 20&21/73	Inspection	Rohrbacher/Williams	329/73-10	
7/6&7/73	Inspection	Rohrbacher/Williams/Vetter/Whitesell	329/73-11	
10/11-74	Inspection	Rohrbacher/Vetter/et al	329/74-01	NC
7/29/74	Inspection	Williams	329/74-02	
7/6&7/74	Inspection	Rohrbacher	329/74-03	
7/6&7/74	Inspection	Rohrbacher/Dickerson	329/74-04	
7/12&13/74	Inspection B&W	Brown:RO:I	329/74-05	
7/15/74	Inspection	Vetter/Rohrbacher	329/74-06	
18&19/74	Inspection	Rohrbacher	329/74-07	
18&19/74	Inspection	Rohrbacher	329/74-08	
7/27&28/74	Vendor-B&W-vessel	Oiler	329/74-09	
10/2&3/74	Inspection	Hunnicuttt/Rohrbacher/Vandel/Yin	329/74-10	
7/11-15/74	Inspection	Erb/Vandel/Yin	329/74-11	
2/5-7/75	Inspection	Vandel/Yin/Lee	329/75-01	
2/27/75	Inspection	Vandel/Yin	329/75-02	
3-9-/75	Inspection	Vandel/Yin/Hayes	329/75-03	
7/10/75	Inspection	Yin	329/75-04	
7/16-17/75	Special, Ann.	Yin	329/75-05	
29-31/75	Routine, Unann.	Yin/Lee	329/75-06	
7/23-24/75	Inspection	YIN	329/75-07	
7/13-16/76	Unann., Routine	Yin	50-329/76-01	
7/1 24-26/76	Routine, Unannounced	Yin	50-329/76-02	
7/1	Inspection	Jorgensen	50-329/76-03	
7/19-21, 5/8, 6-7, 13-14, 20, 6/7-8/76	Announced, Special	Yin/Jablonski/Williams/Keppler/Hunnicuttt/Norelius/LeDoux/Hayes/Phillip	76-04	
7/24, 25, 30, 7/1/76	Special, Ann.	Yin/Shewmaker:IE:HQ	50-329/76-05	
7/14-16/76	Routine, Unannounced	Yin/Erb	50-329/76-06	
7/28-30, 8/4/76	Ann., Special	Yin/Erb	50-329/76-07	
7/9, 9/9&23/76	Ann., Special	Yin/Jordan	50-329/76-08	
7/16-19/76	Routine, Ann.	Yin/Erb	50-329/76-09	
7/26-28/77	Routine, Unann.	Yin	50-329/77-01	
7/20-21/77	Routine, Ann.	Jorgensen	50-329/77-02	
7/21&22/77	Special, Unann.	Yin	50-329/77-03	
7/5/77	Special, Ann.	Hayes/Shewmaker:IE:HQ	50-329/77-04	

LICENSEE	LOCATION	LICENSE NO.	DOCKET NO.	CAT.	LAST INSP.	INSP. DUE
UMERS POWER COMPANY	Midland, Michigan	CPPR-81	50-329	A		

PRINCIPAL CONTACT:

PRINCIPAL INSPECTOR:

BACKUP INSPECTOR:

INSPECTION HISTORY

DATE(S)	TYPE OF VISIT	INSPECTOR(S)	INSPECTION REPORT NO.	REMARKS
5/24-27/77	Special, Ann.	Vandel/Phillips/Shewmaker	IE:HQ/Durr:R:I	50-329/77-05
6/21-22/77	Routine, Ann.	Jablonski/Schweibinz	50-329/77-06	
6/29-30/77	Special, Unann.	Shewmaker:HQ/Heishman	50-329/77-07	
8/1-5, 8-9/77	Routine, Unann.	Vandel	50-329/77-08	
8/30-9/2, 13-15/77	Routine, Unann.	Erb/Naidu/Cook/Auerbach	50-329/77-09	
9/27-29/77	Routine, Unann.	Vandel/Cook	50-329/77-10	
11/16-18/77	Routine, Unann.	Vandel	50-329/77-11	
1/29; 12/2, 5-8/77	Routine, Unann.	Cook/Naidu	50-329/77-12	
1/24-25/78	Routine, Unann.	Vandel/Cook	50-329/78-01	
10/10-12/79	Routine, Ann.	Gallagher/Naidu/Lee/vandel	50-329/79-22	
10/25/79	Management Mtg.	Gallager, Knop et al	50-330 79-23	

LICENSEE	LOCATION	LICENSE NO.	DOCKET NO.	CAT.	LAST INSP.	INSP. DUE
MSIMERS POWER COMPANY	MIDLAND UNIT 1 MIDLAND, MICHIGAN	CPPR-81	50-329	A		

DATE	TYPE	UNIT	INSPECTOR	REPORT NO.	MARKS
2/8-10/78	Routine, Unann.		Barrett	50-329/78-02	
3/21-23/78	Routine, Unann.		Vandel/Cook/Naidu/Lee	50-329/78-03	
4/18-21/78	Routine, Ann.		Vandel/Cook/Barrett/Jablonski	50-329/78-04	
5/17-19/78	Routine, Unann.		Vandel/Cook/Naidu/Erb	50-329/78-05	
6/7-9/78	Routine, Unann.		Jablonski	50-329/78-06	
7/1-21/78	Routine, Unann.		Erb/Maxwell/Vandel	50-329/78-07	
7/18/78	Routine, Unann.		Januska	50-329/78-08	
8/2-31/78	Routine, Unann.		Lee	50-329/78-09	
9/13-15/78	Routine, Unann.		Yin	50-329/78-10	
9/26-28/78	Routine, Unann.		Ward	50-329/78-11	
10/24-27/78	Routine, Unann.		Gallagher	50-329/78-12	
7/24-28, 31; 8/1-4, 7-11, 14-18, 21-26, 28-31; 9/1, 5-8/78	Routine, Ann.		Cook	50-329/78-13	
9/10-29/78	Routine, Ann.		Cook	50-329/78-14	
11/1-3/78	Routine, Unann.		wescott/Naidu/Maxwell/Barrett	50-329.78-15	
11/13-16/78	Routine, Unann.		Lee	50-329/78-16	
11/7-9/78	Routine, Unann.		Vandel/Hansen/Hayes	50-329/78-17	
11/30-12/1/78	Routine, Unann.		Maxwell/Barrett	50-329/78-18	
12/13-14/78	Routine, Unann.		Yin	50-329/78-19	
12/11-13, 18-20/78; 1/4-5, 9-11, 22-25; 2/23; 3/5/79	Inv.		Phillip/Gallagher/Maxwell	50-329/78-20	
10/2-31/78	Routine, Ann.		Hansen/Cook	50-329/78-21	
11/1-30/78	Routine, Ann.		Cook	50-329/78-22	
2/6-8/79	Routine, Unann.		Yin	50-329/79-01	
2/6-9/79	Routine, Unann.		Barrett/Hansen	50-329/79-02	
12/1-28/79	Routine, Ann., RIP		Cook	50-329/79-23	
2/20-23/79	Routine, Unann.		Lee	50-329/79-03	
2/7/79	Special, Ann., Meeting		Cook/Hansen/Vandel	50-329/79-04	
4/5/79	Routine, Ann.		Yin	50-329/79-05	
3/28-29/79	Routine, Ann.		Gallagher	50-329/79-06	
4/26-27/79	Routine, Unann.		Ostmann	50-329/79-07	
1/2-31/79	Routine, Ann.		Cook (RIP)	50-329/79-08	
2/1-29/79	Routine, Unann., RIP		Cook	50-329/79-09	
4-17/79	Routine, Unann.		Gallagher/Lee	50-329/79-10	
5/7-8/79	Special, Unann., Inv.		Creed	50-329/79-11	
5/8-11/79	Routine, Ann.		Barrett/Naidu/Maxwell/Hansen	50-329/79-12	
4/2-30/79	Routine, Unann.		Cook	50-329/79-13	
6/12-14/7/3/79	Spec. Unann. Inves.		Creed	50-329/79-14	
6/1-7/11/79	Routine, Unann.		Cook/Vandel	50-329/79-15	
5/1-31-79	RIP		Cook	50-329/79-16	
6/26-28/79	Routine, Unann.		Lee	50-329/79-17	
8/21-23/79	Routine, Unann.		Naidu/Maxwell	50-329/79-18	
9/11-14/79			Gallagher	50-329/79-19	
9/18-20/79	Routine, Unann.		Naidu	50-329/79-20	
9/25-27/79	Routine, Unann.		Ward	50-329/79-21	
10/10-12/79	Routine, Ann.		Gallagher/Naidu/Lee/Vandel	50-329/79-22	
10/25/79	Management Mtg.		Gallager, Knop et al	50-330 79-23	

LICENSEE	LOCATION	LICENSE NO.	DOCKET NO.	CAT.	LAST INSP.	INSP. DUE
NSIMERS POWER COMPANY	MIDLAND UNIT 1 MIDLAND, MICHIGAN	CPPR-81	50-329	A		

650 MW - B C W

PRINCIPAL CONTACT:

PRINCIPAL INSPECTOR:

BACKUP INSPECTOR:

INSPECTION HISTORY

DATE(S)	TYPE OF VISIT	INSPECTOR(S)	INSPECTION REPORT NO.	REMARKS
10/31-11/16/79	Ro. Ann.	Lee	50-329/79-24	
11/19-30/79			79-25	Sent 01/04/80
1/5/79-28/79	R.I.P.	Cook	50-329/79-26	2/5 khw 9/68
10/1-31/79	R.I.P.	Cook	50-329/79-27	
11/1-30/79	R.I.P.	COOK	79-28	Sent 1-9-80
09/27-29/79	"	"	"	
12/8-22/79	"	"	79-29	Sent 01-18-80
12/1-31/79	"	Cook	79-30	

LICENSEE	LOCATION	LICENSE NO.	DOCKET NO.	CAT.	LAST INSP.	INSP. DUE
CONSUMERS POWER COMPANY	MIDLAND UNIT 1 MIDLAND, MICHIGAN Midland 1	CPPR- 81	50-329 50 329	A		

DATE	TYPE OF VISIT	INSPECTOR	REPORT NO.	
12/1-2/17/81	RIP	Cook	79-00	Sent 2-16-81
1/2-12/18	RIP	alcohol	80-04	Sent 3-3-80
1/2-12/18	RIP	alcohol	80-04	Sent 3-3-80
1/2-11/80	RIP	alcohol	80-06	Sent 03-31-80
1/2-11/80	RIP	alcohol	80-07	Sent 04-21-80
1/2-11/80	RIP	Cook	80-08	Sent 4-3-80
1/2-11/80	RIP	Cook	80-09	Sent 4-26-80
1/6-7/31/80	RIP	Cook	80-10	Sent 1-12-81
1/2-11/80	RIP	Cook	80-11	Sent 2-11-80
7/1-3/1/80	RIP	Cook	80-12	Sent 5-14-80
7/1-3/1/80	RIP	Cook	80-13	Sent 8-18-80
7/1-3/1/80	RIP	Cook	80-14	Sent 5-22-80
6/1-2/1/80	RIP	Wood	80-15	Sent 6-30-80
6/1-2/1/80	RIP	Wood	80-16	Sent 6-17-80
6/1-2/1/80	RIP	Wood	80-17	Sent 8-27-80
6/1-2/1/80	RIP	Wood	80-18	Sent 6-26-80
12-11/80	RIP	Cook	80-19	Sent 7-09-80
12-11/80	RIP	Cook	80-20	Sent 7-15-80
7/1-3/1/80	RIP	Cook	80-21	Sent 8-17-80
7/1-3/1/80	RIP	Cook	80-22	Sent 8-7-80
7/1-3/1/80	RIP	Cook	80-23	Sent 8-5-80
7/1-3/1/80	RIP	Cook	80-24	Sent 8-16-80
7/1-3/1/80	RIP	Cook	80-25	Sent 9-15-80
7/1-3/1/80	RIP	Cook	80-26	Sent 9-10-80
7/1-3/1/80	RIP	Cook	80-27	Sent 12-11-80
7/1-3/1/80	RIP	Cook	80-28	Sent 10-8-80
7/1-3/1/80	RIP	Cook	80-29	Sent 10-3-80
7/1-3/1/80	RIP	Cook	80-30	Sent 11-21-80
7/1-3/1/80	RIP	Cook	80-31	Sent 11-19-80
7/1-3/1/80	RIP	Cook	80-32	Sent 1-12-81
7/1-3/1/80	RIP	Cook	80-33	Sent 12-30-80
7/1-3/1/80	RIP	Cook	80-34	Sent 12-12-80
7/1-3/1/80	RIP	Cook	80-35	Sent 12-18-80
7/1-3/1/80	RIP	Cook	80-36	Sent 1-8-81
7/1-3/1/80	RIP	Cook	80-37	Sent 1-13-81
7/1-3/1/80	RIP	Cook	81-01	Sent 2-2-81
7/1-3/1/80	RIP	Cook	81-02	Sent 2-2-81
7/1-3/1/80	RIP	Cook	81-03	Sent 2-2-81
7/1-3/1/80	RIP	Cook	81-04	
7/1-3/1/80	Management Meeting	Jones	81-05	

LICENSEE	LOCATION	LICENSE NO.	DOCKET NO.	CAT.	LAST INSP.	INSP. DUE
CONSUMERS POWER COMPANY	MIDLAND UNIT 1 MIDLAND, MICHIGAN Midland 1	CPPR- 81	50-329 50 329	A		

PRINCIPAL CONTACT:

PRINCIPAL INSPECTOR: Gower

BACKUP INSPECTOR:

INSPECTION HISTORY

DATE(S)	TYPE OF VISIT	INSPECTOR(S)	INSPECTION REPORT NO.	REMARKS
1/14/70	Mgmt. Meeting	Gower/Fiorelli	330/70-1	
10-12/70	QA Inspection	Gower/Fiorelli/Dreher	330/70-2	Several deficiencies noted.
4-7-70	QA Mgmt Meeting	Gower/Fiorelli	330/70-3	- - -
1-70	Inspection	Gower/Fiorelli	330/70-4	No items of noncompliance.
2-26-70	Inspection	Gower	330/70-5	No items of nonconformance.
29&30&10/1/70	Inspection	Gower	330/70-6	CDN-4 items of nonconformance.
7/71	Inspection	Gower/Oller	330/71-1	No items of noncompliance.
1/19/71	Inspection	Sutton/Vandel	330/71-02	No items of nonconformance.
9-7-72	Inspection	Erb/Oller	330/72-01	No items of nonconformance.

LICENSEE	LOCATION	LICENSE NO.	DOCKET NO.	CAT.	LAST INSP.	INSP. DUE
	Midland Unit 2					
CHRYSLERS POWER COMPANY	Midland, Michigan	CPPR-82	50-330	A		

DATE OF VISIT	INSPECTION	INSPECTOR	REPORT NO.	REMARKS
2/17/73	Met Meeting	Vetter/Rohrbacher	330/73-01	
5/24&25/73	Audit Surveillance	Vandel	330/73-02	No violations.
6/14&15/73	Audit Surveillance	Vandel	330/73-03	No violations, B&W, Laberton
6/26-28/73	Inspection	Rohrbacher/Erb	330/73-04	No violations, B&W, Mt. Vernon
7/26-28/73	Inspection	Rohrbacher/Vetter	330/73-05	No violations.
7/26&8-10/73	Inspection	Hayes/Rohrbacher/Vandel	330/73-06	
9/1-3	Inspection	Rohrbacher	330/73-07	
9/11-1&27/73	Audit Surveillance	Vandel/Dickersch	330/73-08	
10/10&11/73	Inspection	Rohrbacher	330/73-09	
11/6-8, 15, 20&21/73	Inspection	Rohrbacher/Williams	330/73-10	
12/6&7/73	Inspection	Rohrbacher/Williams/Vetter/Whitesell	330/73-11	
1-10/11-74	Inspection	Rohrbacher/Vetter/et al	330/74-01	NC
1/29/74	Inspection	Williams	330/74-02	
2/6&7/74	Inspection	Rohrbacher	330/74-03	
3/6&7/74	Inspection	Rohrbacher/Dickerson	330/74-04	
2/12&13/74	Inspection B&W	Brown, RO:I	330/74-05	
3/15/74	Inspection	Vetter/Rohrbacher	330/74-06	
4/18&19/74	Inspection	Rohrbacher	330/74-07	
6/18&19/74	Inspection	Rohrbacher	330/74-08	
8/27&28/74	Vendor-B&W-vessel	Oiler	330/74-09	
10/2&3/74	Inspection	Hunnicut/Rohrbacher/Vandel/Yin	330/74-10	
12/11-13/74	Inspection	Erb/Vandel/Yin	330/74-11	
2/5-7/75	Inspection	Vandel/Yin/Lee	330/75-01	
2/27/75	Inspection	Vandel/Yin	330-75-02	
4/8-9/75	Inspection	Vandel/Yin/Hayes	330-75-03	
5/10/75	Inspection	Yin	330/75-04	
7/16-17/75	Special, Ann.	Yin	330/75-05	
7/29-31/75	Routine, Unann.	Yin/Lee	330/75-06	
10/23-24/75	Inspection	Yin	330/75-07	
1/13-16/76	Unann., Routine	Yin	50-329/76-01	
3/18, 21-26/76	Routine, Unannounced	Yin	50-329/76-02	
5/76	Inspection	Jorgensen	50-329/76-03	
1/19-21, 5/3, 6-7, 13-14, 20, 6/7-8/76	Announced/Special	Yin/Jablonski/Williams/Keppler/Hunnicut/Norelius/LeBoux/Hayes/Phillip	50-330/76-04	
6/24, 25, 30, 7/1/76	Special, Ann.	Yin/Shewmaker; IE:HQ	50-330/76-05	
7/14-16/76	Routine, Unannounced	Yin/Erb	50-330/76-06	
7/28-30, 8/1, 76	Ann., Special	Yin/Erb/Hayes/Jordan/Keppler	50-330/76-07	
8/9, 9/9&23/76	Ann., Special	Yin/Jordan	50-330/76-08	
11/16-19/76	Routine, Ann.	Yin/Erb	50-330/76-09	
1/26-28/77	Routine, Unann.	Yin	50-330/77-01	
2/28-3/1/77	Ann., Special	Yin	50-330/77-02	
3/15/77	Special, Ann.	Vandel/Hayes	50-330/77-03	
3/23&28/77	Special, Ann.	Vandel/Lipinski; NRR/DSS/Shewmaker; IE:HQ	50-330/77-04	

LICENSEE	LOCATION	LICENSE NO.	DOCKET NO.	CAT.	LAST INSP.	INSP. DUE
CONSUMERS POWER COMPANY	Midland, Michigan	CPPR-82	50-330	A		

PRINCIPAL CONTACT:

PRINCIPAL INSPECTOR:

BACKUP INSPECTOR:

INSPECTION HISTORY

DATE(S)	TYPE OF VISIT	INSPECTOR(S)	INSPECTION REPORT NO.	REMARKS
4/20&21/77	Routine, Ann.	Jorgensen	50-330/77-05	
4/13/77	Shewmaker/Hayes/Lauden	Special, Ann.	50-330/77-06	
5/4/77	Special, Ann.	Hayes/Shewmaker:IE:HO	50-330/77-07	
5/24-27/77	Special, Ann.	Vandel/Phillips/Shewmaker:IE:HO/Durr:R:I	50-330/77-08	
6/21-22/77	Routine, Ann.	Jablonski/Schweibinz	50-330/77-09	
6/29-30/77	Special, Unann.	Shewmaker:HO/Heistman	50-330/77-10	
8/1-5, 8-9/77	Routine, Unann.	Vandel	50-330/77-11	
8/30; 9/2, 13-15/77	Routine, Unann.	Erb/Naidu/Cook/Averbach	50-330/77-12	
9/27-29/77	Routine, Unann.	Vandel/Cook	50-330/77-13	

LICENSEE	LOCATION	LICENSE NO.	DOCKET NO.	CAT.	LAST INSP.	INSP. DUE
SUMERS POWER COMPANY	MIDLAND UNIT #2 MIDLAND, MICHIGAN	CPPR-82	50-330	A		

DATE	TYPE OF VISIT	INSPECTOR	REPORT NO.
16-1-77	Routine, Unann.	Vandel	50-330/77-14
29-12/25-8/77	Routine, Unann.	Cook/Naidu	50-330/77-15
1/24-25/78	Routine, Unann.	Vandel/Cook	50-330/78-01
8-10/78	Routine, Unann.	Barrett	50-330/78-02
21-22/78	Routine, Unann.	Vandel/Cook/Naidu/Lee	50-330/78-03
4/77	Routine, Ann.	Vandel/Cook/Barrett/Jablonski	50-330/78-04
17-8	Routine, Unann.	Vandel/Cook/Naidu/Erb	50-330/78-05
7-9/78	Routine, Unann.	Jablonski	50-330/78-06
7/19-21/78	Routine, Unann.	Erb/Vandel/Maxwell	50-330/78-07
17&18/78	Routine, Unann.	Januska	50-330/78-08
29-31/78	Routine, Unann.	Lee	50-330/78-09
13-15/78	Routine, Unann.	Yin	50-330/78-10
26-28/78	Routine, Unann.	Ward	50-330/78-11
10/24-27/78	Routine, Unann.	Gallagher	50-330/78-12
24-28, 31; 8/1-4, 7-11, 14-18, 21-26, 28-31; 9/1, 5-8/78	Routine, Ann.	Cook	50-330/78-13
10-29/78	Routine, Ann.	Cook	50-330/78-14
1-3/78	Routine, Unann.	Wescott/Naidu/Maxwell/Barrett	50-330/78-15
13-16/78	Routine, Unann.	Lee	50-330/78-16
7-9/78	Routine, Unann.	Hansen/Vandel/Hayes	50-330/78-17
1/30-12/1/78	Routien, Unann.	Maxwell/Barrett	50-330/78-18
2/13-14/78	Routine, Unann.	Yin	50-330/78-19
1/11-13, 18-20/78; 1/4-5, 9-11, 22-25; 2/23; 3/5/79	Inv.	Phillip/Gallagher/Maxwell	50-330/78-20
0/2-31/78	Routine, Ann.	Cook/Hansen	50-330/78-21
1/1-30/78	Routine, Ann.	Cook	50-330/78-22
2/1-28/78	Routine, Ann., RIP	Cook	50-330/78-23
6-8/79	Routine, Unann.	Yin	50-330/79-01
6-9/79	Routine, Unann.	Barrett/Hansen	50-330/79-02
20-23/79	Routine, Unann.	Lee	50-330/79-03
7/79	Special, Ann., Meeting	Cook/Vandel/Hansen	50-330/79-04
5/79	Routine, Ann.	Yin	50-330/79-05
1/2 79	Routine, Unann.	Gallagher	50-330/79-06
2-31/79	Routine, Ann.	Cook	50-330/79-08
1-3/29/79	Routine, Unann., RIP	Cook	50-330/79-09
14-17/79	Routine, Unann.	Gallagher/Lee	50-330/79-10
5/7-8/79	Special, Unann., Inv.	Creed	50-330/79-11
8-11/79	Routine, Ann.	Barrett/Naidu/Maxwell/Hansen	50-330/79-12
12-30/79	Routine, Unann.	Cook	50-330/79-13
12-14/7/3/79	Spec. Unann. Inves.	Creed	50-330/79-14
6/1-7/11/79	Routine, Unann.	Cook/Vandel	50-330/79-15
5/1-31/79	RIP	Cook	50-330/79-16
6/26-28/79	Routine, Unann.	Lee	50-330/79-17
3/21-23/79	Routine, Unann.	Naidu/Maxwell	50-330/79-18

LICENSEE	LOCATION	LICENSE NO.	DOCKET NO.	CAT.	LAST INSP.	INSP. DUE
SUMERS POWER COMPANY	MIDLAND, MICHIGAN	CPPR-82	50-330	A		

PRINCIPAL CONTACT:

PRINCIPAL INSPECTOR:

BACKUP INSPECTOR:

INSPECTION HISTORY

DATE(S)	TYPE OF VISIT	INSPECTOR(S)	INSPECTION REPORT NO.	REMARKS
9-11/14-79		Gallagher	50-330/79-19	
9/18-20/79	Routine, Unann.	Naidu	50-330/79-20	
9/25-27/79	Routine, Unann.	Ward	50-330/79-21	
10/10-12/79	Routine, Ann.	Naidu/Gallagher/Lee/Vandel	50-330/79-22	
10/25/79	Management Mtg.	Gallagher, Knop, et al	50-329/79-23	
10/31, 11/15/79	Ro. Ann.	Lee	50-330/79-24	
11/19-20/79	Ro. Ann.	Lee	50-330/79-25	Sent 01/04/80

LICENSEE	LOCATION	LICENSE NO.	DOCKET NO.	CAT.	LAST INSP.	INSP. DUE
CONSUMERS POWER COMPANY	Midland #2 Midland, Michigan Midland 2	CPPR-82	50-330 50-330	A		

PART NO.

EFF. DATE:

EXP. DATE:

PRINCIPAL CONTACT:

PRINCIPAL INSPECTOR:

BACKUP INSPECTOR:

INSPECTION HISTORY

DATE(S)	TYPE OF VISIT	INSPECTOR(S)	INSPECTION REPORT NO.	REMARKS
1-12-1980	Initial Visit	Wright	80-27	Sent 1-8-81
1-31-81	PIV	Wright	80-28	Sent 1-13-81
7-9-81	Final Inspection	Wright	81-01	Sent 2-2-81
- 21	Final Inspection	Wright	81-02	Sent 2-2-81
7-22-81	Final Inspection	Wright	81-03	
1-2/14/81	KIP	Wright	81-04	
1/13/81	Not Meeting	Jones	81-05	

Power Co. The level 2 CAPP-82 E 1.330 A

4/17-21/81	...	...	81-08	sent 7-23-81
5/18-21/81	...	...	81-09	sent 5-21-81
5/18-21/81	...	...	81-11	sent 5-18-81
5/11-31/81	...	...	81-12	sent 6-16-81
7/11-24/81	...	...	81-13	sent 7-10-81
8/5/81	...	...	81-14	sent 6-16-81
8/14/81	...	...	81-15	sent 8-7-81
8/11-31/81	...	...	81-16	sent 8-12-81
8/11-31/81	...	...	81-17	sent 9-3-81
9/7-10/81	...	...	81-18	sent 8-19-81
10/1-10/81	...	...	81-19	sent 9-11-81
11/24/81	...	...	81-20	sent 11-12-81
9/11-11/30/81	...	...	81-21	sent 10-30-81
			81-22	sent 12-10-81
				sent 1-2-23-81

LICENSEE	LOCATION	LICENSE NO.	DOCKET NO.	CAT.	LAST INSP.	INSP DUE
...	...	244R-82	51-330	A		

MIDLAND - QA
OUTSTANDING ITEMS OF NONCOMPLIANCE AND UNRESOLVED MATTERS

#	DATE OPENED	INSPECTION REPORT	SUBJECT
1	10-1-70	70-6	Special concrete testing per PSAR in S F - (DEH) Unresolved
2	10-2-74	74-10	*Liner plate painting - (RGW) Unresolved
3	3-23-78	78-03-03	*Erroneous weld inspection results - (DRK) Infraction
4	4-18-78	78-04-01	Q-Listing of raceways, supports and *grounding- [?] (MJS) Unresolved
5	11-9-78	78-17-01	Extra welds on personnel lock repair - (DRK/KOR) Infraction
6	12-14-78	78-19-02	M-326; installation and inspection of mechanical snubbers - (HPL) Unresolved
7	12-14-78	78-19-03	ITT Grinnell documentation supporting the approval of FCR M-716 - (HPL) Unresolved
8	12-14-78	78-19-04	*Qualification requirements for personnel installing grout-in anchor bolts - (DEH) Unresolved
9	12-14-78	78-19-05	No pull tests in corrective action for NCR M-01-4-8-046 - (DEH)
10	12-14-78	78-19-06	Insufficient inspection of plate clearances in corrective action of NCR M-01-4-8-046 - (DEH) Unresolved
11	2-8-79	79-01-01	*Welding across hanger flange - (REW) Unresolved
12	2-8-79	79-01-02	*Adequacy of hanger drawing review - (REW) Unresolved
13	1-25-79	78-20-01	*FSAR vs Design inconsistencies re: compacted fill material - (DEH) Infraction (Re: Stop Work Order)

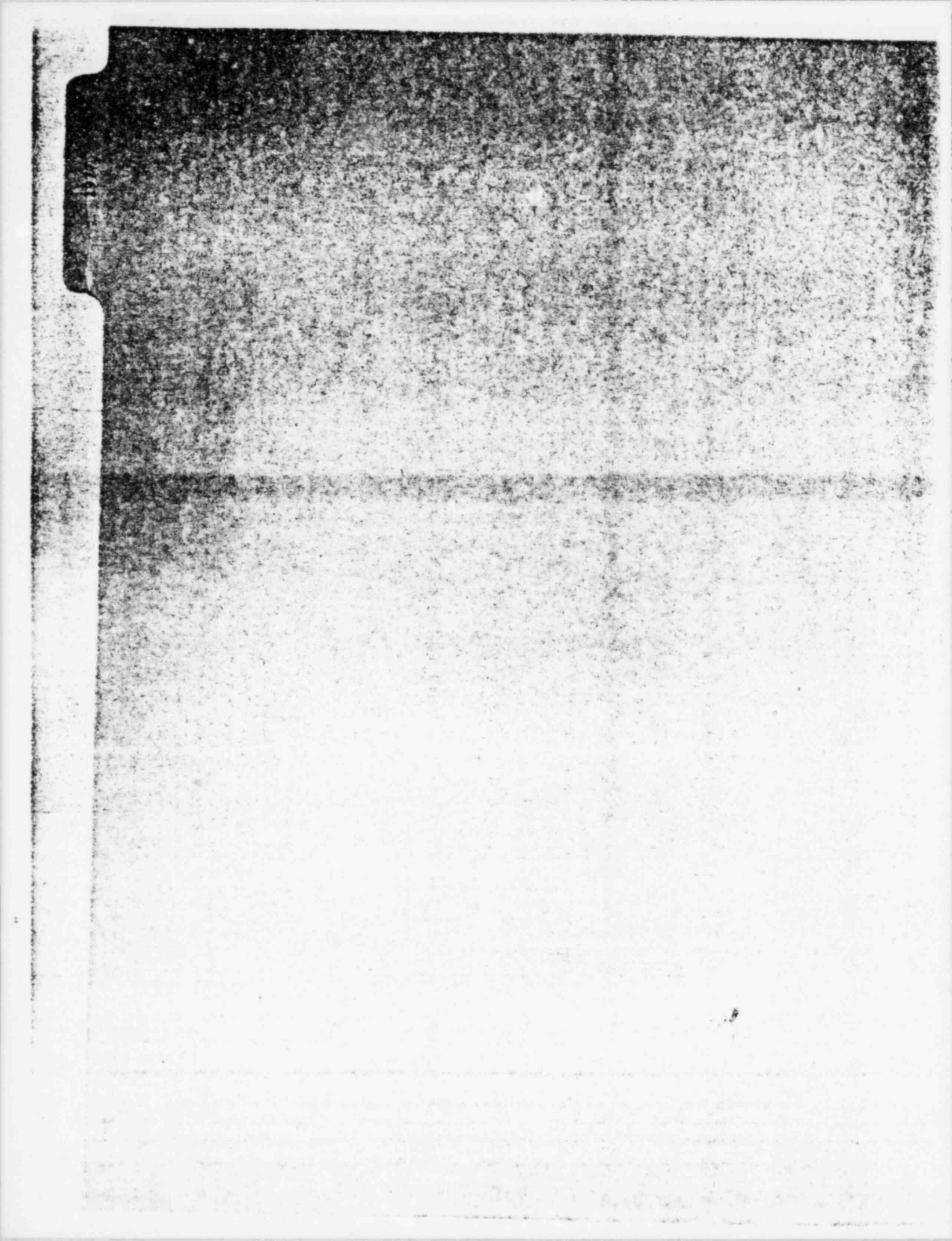
*These items are felt to be ready for presentation to NRC for closure. Initials in brackets are the Quality Engineering personnel primarily responsible for tracking and resolution of each item.

#	DATE OPENED	INSPECTION REPORT	SUBJECT
14	1-25-79	78-20-02	*Effect of ground water on DG Building settlement- (DEH) Infraction (Re: Stop Work Order)
15	1-25-79	78-20-03	*Conflicting Compaction Requirements - (DEH) Infraction (Re: Stop Work Order)
16	1-25-79	78-20-04	*Inadequate Moisture Control - (DEH) Infraction (Re: Stop Work Order)
17	1-25-79	78-20-05	*Inadequate subgrade preparation after winter freeze - (DEH) Infraction (Re: Stop Work Order)
18	1-25-79	78-20-06	*Inadequate corrective actions for NCR's - (DEH) Infraction (Re: Stop Work Order)
19	1-25-79	78-20-07	FSAR vs Design inconsistencies re: settlement calculations - (DEH) Infraction (Re: Stop Work Order)
	1-25-79	78-20-08	*Use of concrete around electrical duct banks - (DEH) Infraction (Re: Stop Work Order)
21	1-25-79	78-20-09	*No supervision by a Qualified Soils Engineer - (DEH) Infraction (Re: Stop Work Order)
22	1-25-79	78-20-10	*Inadequate inspections of backfill operations - (DEH) Noncompliance
23	4-19-79	79-05-02	*Review of selected ITT Grinnell hanger calcu- lations were not available for review - (REW) Unresolved
24	4-19-79	79-05-03	*Bechtel's methodology and deflection criteria on how to determine overall acceptability of hanger design was not available - (REW) Unresolved
25	4-19-79	79-05-04	*Lack of free body diagrams for some hangers included in MCAR-18 - (REW) Unresolved
	6-19-79	79-12-02	*Scope of responsibility of Field Engineers (G-34) versus their qualifications - (WRB) Unresolved

#	DATE OPENED	INSPECTION REPORT	SUBJECT
27	6-19-79	79-12-03	Inadequate control of purchased materials - (DRK) Infraction
28	6-19-79	79-12-04	Lack of C of C for non-metallic parts of a Borg Warner valve to meet environmental requirements - (DRK) Unresolved
29	6-19-79	79-12-05	Pressure test of (seat leakage) pressurizer safety relief valve - (REW) Unresolved
30	6-19-79	79-12-06	*Specification of 104 ^o F as ambient temperature for pressurizer spray control valve - (REW) Unresolved
31	6-19-79	79-12-08	Adequacy of specification in regard to qualification of HVAC gaskets, sealants and flexible connections - (DRK/MFD) Unresolved
	6-19-79	79-12-10	NRC follow-up review of 9 Bechtel audit findings on Zack - (DRK/MFD) Unresolved
33	5-30-79	79-13-01	*CB&I failed to adequately hydrostatically test Unit 2 Incore Instrument Tank - (DRK) Infraction
34	8-1-79	79-14	*Failure to follow welding procedure in that water soluble paper was balled to effect a purge dam - (DRK) Infraction
35	9-11-79	79-20-01	*Plug welding in lieu of fillet welding, and suitability of WPS P1-L-AH Structural for plug welding - (JLZ) Infraction (upgraded from 79-18-01 Unresolved)
36	9-11-79	79-18-02	*Weld splatters on installed equipment - (JLC) Infraction
37	12-12-79	79-27-01	*Escalation of item 79-09-01 from Unresolved. Violation of Hold Tags (primarily electrical) - (PRK) Infraction

#	DATE OPENED	INSPECTION REPORT	SUBJECT
38	11-30-79	79-25-01	Bechtel inspection of all Class 1E terminations in SW Building - (PRK) Unresolved
39	11-30-79	79-28-01	*Reactor Vessel Internal Assembly - (REW/DRK) Unresolved
40	2-16-80	80-01-01	*Welder worked on metal thicker than NIS qualification allowed - (KOR) Infraction
41	2-16-80	330/80-01-02	Failure to date and sign off inspection record - (DRK) Noncompliance
42	2-16-80	329/80-01-02 330/80-01-03	Design changes made after work completion - (DRK) Deviation
43	2-16-80	329/80-01-03 330/80-01-04	QCI-1.10 fails to require verification of separation criteria - (DRK) Unresolved
44	2-16-80	329/80-01-04 330/80-01-05	*Incorrect formula in Spec J-218(Q) Rev 7 - (DRK) Unresolved
45	2-16-80	329/80-01-06 330/80-01-07	Flame retardancy paragraph, middle page 7.2-19, Rev 18, Midland FSAR - (MJS) Unresolved
46	2-16-80	329/80-01-07 330/80-01-08	*Prestress calibration records - (RGW) Unresolved
47	3-3-80	80-04-01	Containment prestressing quality records - (RGW) Unresolved
48	3-26-80	80-09-01	*Seven wires not properly seated in tendon H-21-234 (Unit 2) - (DEH) Unresolved
49	3-26-80	80-10-01	*(Upgrades 80-08-01) Violation of written and approved B&W Procedure FCP-132 - (REW) Deficiency
50	5-16-80	329/80-11-01 330/80-12-01	Adequacy of pipe whip restraint design - Unresolved
	5-16-80	329/80-11-02 330/80-12-02	NRC Inspection requested design, procurement, and qualification specs for bolts - Unresolved
52	5-16-80	329/80-11-03 330/80-12-03	Washer spacers not installed on MK 2GCB-16-H16 - Unresolved

RESIDENT INSP
REPORTS



1978

1978 REPORTS

#	TOPIC	RPT #	OPENED	CL
1	50.55(e) - Reactor Coolant Pump Motor Mounting Flange - P4	78-01	1/24-25	
2	Procedures for Handling and Installing Components (NSS Equipment) P4	"	"	
3	50.55(e) - Irregularities in radiographic techniques used by nondestructive test subcontractor in examination of decay heat removal pumps. P7	78-03	3/21-23	78-1
4	50.55(e) - Seismic supports for Containment Spray System Piping in Containment Dome Welded to Pipe Without Load Distribution Pads. P7 Ref. 78-05	"	"	
5	Use of Index Register P3(la) Ref. 75-05	"	"	
6	Radiographic Film Density Deficiencies P3(lb) Ref. 329/78-06; 330/75-06	"	"	
7	50.55(e) - Evaluation of seismic welding in upper spreading room. Ref. 78-03	78-04	4/18-21	
8	50.55(e) - Nuclear Instrumentation/Reactor Protection System (NI/RPS) Channel loss of ground without the loss of ground being evident P14(B) Ref. 78-05	"	"	
9	50.55(e) - Defective Fillet Welds Found in the Containment Personnel Locks. P14(C) Ref. 80-15/16; 80-19/20	"	"	
10	Tendon Galleries P14	"	"	

1978 REPORTS

#	TOPIC	RPT #	OPENED	CL
11	Water Use for Initial Hydrostatic Tests P15	78-04	4/18-21	
12	Weld Shield Fabric Quality P15	"	"	
13	50.55(e) - Containment Spray System Piping P5(a) Ref. 78-03	78-05	5/17-19	
14	50.55(e) - Nuclear Instrumentation/Reactor Protection System Instrumentation P5(b) Ref. 78-04	"	"	
15	50.55(e) - Decay Heat Removal Pump Casing P5(c)	"	"	78-15
16	50.55(e) - Reactor Coolant Pump Motors P5(d)	"	"	
	Infraction (No Response Required)			
17	Installation of Safety Related Piping P18	"	"	
18	Procedures for Installation of Safety Related Components P19	"	"	
19	50.55(e) - Decay Heat Pumps P2(2) Ref. 78-03, 78-15(closed)	78-13	7/24-31 8/1-31	78-15
	Item of Noncompliance			
20	Steam Generator and Reactor Vessel Hold Down Bolting P3(3)	78-13-02	"	78-09
21	Lifting and Setting of Unit 1 Pressurizer P3(4) BSW NCR #421 (Damage to pressurizer for Unit 1)	"	"	
22	Unit 1 Steam Generator Hot Leg Nozzle Weld Preparation P3(5)	"	"	
	Item of Noncompliance- No reply necessary			
23	In Place Storage of Control Rod Drive (CRD) Breakers P3(6)	"	"	

1978 REPORTS

#	TOPIC	RPT #	OPENED	CL
	Item of Noncompliance - No response required			
24	Auxiliary Piping System Field Welding and Fabrication P4(7)	78-13	7/24-31 8/1-31 9/1-8	
25	Curing of Concrete in Unit 1 P5(8)	"	"	
	Unresolved Item?			
26	Atypical Weld Material Used In B&W Reactor Vessel Welds P5(9)	78-13-012"		
27	50.55(a) - Settling of the Diesel Generator Foundations and structures. Ref. 79-13; 79-5; 79-16; 79-22; 79-26; 79-30/31; 80-10; 78-12; 78-14; 78-21; 78-22; 78-23; 79-04; 79-09; 79-06; 79-08; 78-20; 79-10; 79-17	78-13-01	"	
28	Environmental Review - Operating License Stage Meetings P6(11)	"	"	
29	LP Turbine Damage from Derailment P6(12)	"	"	
30	Meeting with Local Officials P6(13)	"	"	
31	Site Tours (Temporary Lay Down Areas for Safety Related Piping were Starting to Deteriorate) P2(1)	78-14	9/10-29	
32	Steam Generator and Reactor Vessel Hold Down Bolting P2(2)	"	"	
33	Auxiliary Piping System Field Welding and Fabrication P2(e)	"	"	
34	LP Turbine Damage P3(4)	"	"	
35	50.55(e) - Settlement of Diesel Generator Foundations and Structures P3(5) Ref. 79-09; 79-15; 79-16; 78-13-03; 78-14; 78-21; 78-22; 78-23; 79-08; 79-06; 79-13; 79-22; 79-26; 79-30; 79-31; 80-10	"	"	

78-23; 79-08; 79-06; 79-13; 79-22; 79-26; 79-30; 79-31; 80-10

1978 REPORTS

#	TOPIC	RPT #	OPENED	CLC
36	Unit 2 Reactor Coolant System Piping P3(6)	78-149/10-29		
37	Core Flood Line Unit 2 P3(7)	"	"	
38	B&W Construction Company NDE P3(7)	"	"	
39	Inplace Storage of Electrical Equipment P4(9) Ref. 78-21	"	"	
40	Licensee Meeting P4(10)	"	"	
41	50.55(e) - Settlement of Diesel Generator Foundations and structures P2(2) For references see Item 29	78-21	10/2-31	
42	50.55(e) - Class 1E Battery Racks, Seismic Brace P3(2) Ref. 79-08, 15; 80-10	"	"	
43	In Place Storage of Electrical Equipment P3(3) Ref. 78-14	"	"	
44	Unit 1 Pressurizer Pump P3(4)	"	"	
45	Scheduling Analysis P3(5)	"	"	
46	Management Meetings (Discussion of current enforcement items and current status of CPCo's QA/QC overview inspections P3(6)	"	"	
47	Core Flood Lines P4(7) Ref. 78-23	330/ 78-21-01	10/2-31	
48	Reactor Coolant System Pipe Restraints P4(8)	"	"	

1978 REPORTS

#	TOPIC	RPT #	OPENED	CLA
49	States Terminal Blocks P4(9)	78-21-01 78-21-02	10/2-	78-2 81
50	Welding of Reactor Coolant System (RCS) Piping (Unit 2) P4(10)	"	"	
51	Sand Blasting of Unit 1 Containment P5(11)	"	"	
52	Temporary Laydown Areas P5(12)	"	"	
53	Auxiliary Piping Systems Field Welding and Fabrication P6(13)	"	"	
54	Auxiliary Feed Pump Inplace Storage Maintenance P6(14) Ref. 78-22	"	"	
55	Welding Repairs on Containment Personnel Airlocks P3	"	"	
56	50.55(e) - Inadequate Review of Seismic and Environmental Component Qualification Test Data P3 Ref. 78-22, 79-08	"	"	
57	50.55(e) - Settlement of Diesel Generator Building P2 Ref. See Item 29	78-22	11/1-	30
58	50.55(e) - Welding Repairs on Personnel Airlocks P3 Ref. 78-17	"	"	
59	Site Tours (Polyethylene which had protected the Unit 2 reactor vessel from an oil spill the previous day was noted adjacent to the vessel flange) P3(1)	"	"	
60	50.55(e) - Inadequate Review of Seismic & Environmental Component Qualification Test Data P3 Ref. 79-08, 78-21	"	"	

1978 REPORTS

#	TOPIC	RPT #	OPENED	CL
61	Main Steam Line Support Structure Fabrication P3(2) Ref. 78-15	78-22	11/1-30	
62	Installation of Primary Coolant Pump Casing P4(3)	"	"	
63	Scheduling Analysis P4(4)	"	"	
64	Chloride Content of Water and Ice Used in Midland Site Concrete P4(5)	"	"	
65	Stainless Clad P4(6)	78-22-01	"	
66	Specialized Meetings with Licensee Staff (Methods of handling "reusable scrap" and exchange of information pertaining to the fitting of reactor vessel internals) P4(7)	"	"	
67	Plant Security Review - Operating License Stage Meetings P5(8)	"	"	
68	Installation of Make Up Feed Pumps P5(9)	"	"	
69	Welding of Reactor Coolant System Piping - Unit 2 P5(10) Ref. 78-21, 78-23; 79-08	"	"	
	Infraction - No response required			
70	Auxiliary Feed Pump Inplace Storage Maintenance P5(11) Ref. 78-21	"	"	
71	50.55(e) - Settlement of Diesel Generator Foundations and Struc- tures. P2 Ref. 79-13, 15, 16, 22, 26, 30, 31; 80-10; 78-14,21,22, 78-23; 79-08, 09, 06	78-23	12/1-28	

1979

1979 REPORTS

#	TOPIC	RPT #	OPENED	CL
1	50.55(e) - Settlement of Diesel Generator Foundations and Structures P2 For References See Item 14 Ref. 79-15	79-08	1/2-31	
2	50.55(e) - Class 1E Battery Racks, Seismic Brace 79-15; 80-10	P2 Ref. 78-21;	" "	
3	50.55(e) - Inadequate Review of Seismic and Environmental Component Qualification Test Data Ref. 78-22	"	"	
4	Site Tours (Condition of pipe and coverings in the Aux Bldg. appeared to be deteriorating) P3(1)	"	"	
5	Auxiliary Piping System Field Welding and Fabrication P3(2)	"	"	
6	Field Fabrication of Unit 2 Incore Instrument Tank P3(3)	"	"	
7	Unit 2 Core Flood Line Weld Repairs P4(4)	"	"	
8	Control Room Panel Wire Supports P4(5) Ref. 79-02	"	"	
9	Flooding of Auxiliary Building P4(6)	"	"	
10	Fit-up of Unit 2 Reactor Coolant System Piping and Components P5(7)	"	"	
11	Welding of Reactor Coolant System Piping - Unit 2 78-21, 78-22	P5(8) Ref. 78-23	" "	
12	Partial Assembly of Unit 2 Vessel Internals P5(9)	"	"	

1979 REPORTS

#	TOPIC	RPT #	OPENED	C.L.C.
13	Unit 2 Reactor Vessel Internals Storage P3(2)	79-09	2/1-3/79	
14	50.55(e) - Settlement of Diesel Generator Foundations & Structures P2 Ref. 78-13-03, 78-14, 79-09, 79-15, 79-16, 78-14, 78-21, 78-22, 78-23, 79-08, 79-06, 79-13, 79-22, 79-26, 79-30, 79-31	"	"	
15	50.55(e) - Inadequate Crimping in Vendor Supplied Electrical Penetrations P3 Ref. 78-23	"	"	
16	Unit 2 Reactor Vessel Internals Storage P3(2)	"	"	
17	Decay Heat Removal Pump Technical Literature P3(3) Ref. 79-13	"	"	
18	Fire in the Solid Radwaste Building P4(4)	"	"	
19	Management Meetings Ref. 79-04	"	"	
20	Welding of Unit 2 Reactor Coolant System Seismic Supports/ Restrains P4(6)	"	"	
21	Base Line Inservice Inspection P4(7)	"	"	
22	Site Radiographers P4(8)	"	"	
23	Hydrostatic Test of Unit 2 Incore Instrument Tank 2T-87 P5(9)	"	"	
24	Cable Tray and Wire Installation P5(10)	"	"	

1979 REPORTS

#	T P I C	RPT #	OPENED	CLO
25	UNRESOLVED - QC Hold Tag Violations P5(11) - escalated to ITEM OF NONCOMPLIANCE in report #79-27	79-09-01	2/1 - 3/29	80-37/38
26	50.55(e) - Settlement of Diesel Generator Foundations and Structures P2 - For References see item 14	79-13	4/12-30	
27	Site Tours (Debris and solvent soaked polyethelene existed in the fuel pool and on the covering for the reactor vessel in Unit 1)	"	"	
28	Decay Heat Removal Pump Technical Literature P3(2) Ref. 79-09	"	"	
29	Receipt of High Carbon Content Four Inch Sch. 40 Fl1a P3(3)	"	"	
30	Unconsolidated Concrete in Floor of 568' Elevation of Auxiliary Building P4(4)	"	"	
31	Damage to Class 1E Battery Cell P4(5)	"	"	
32	Presence of Fluid in 35 MCM-3/C B-11 Power Cable P4(6) Ref. 79-15, 79-27, 80-08, 81-04	"	"	
33	Effects of TMI Unit 2 Incident on the Midland Site P5(7)	"	"	
34	Allegations of Explosion P5(8)	"	"	
35	Anti-Nuclear Demonstration P5(9)	"	"	
36	Apparent Overexposure to B&W Radiographers P5(10)	"	"	

1979 REPORTS

#	TOPIC	RPT #	OPENED	CLC
37	Hydrostatic Tests of Unit 1 Incore Instrument Tank 1T-87 P6(11) Ref. 79-16	79-13	4/2-30	
38	ITEM OF NONCOMPLIANCE - INFRACTION - Hydrostatic Test of Unit 2 Incore Instrument Tank 2T-87 P6(12)	330/ 79-13-01	"	80- 7/31
39	50.55(e) - Settlement of Diesel Generator Foundations and Structures P3 For References see item 14	79-15	6/1-7/11	
40	50.55(e) - Class 1E Battery Racks, Seismic Braces P3 Ref. 78-21 79-08, 80-10	"	"	
41	50.55(e) - Inadequate Cooling Water Flow to Containment Recirculation Coolers P3	"	"	
42	50.55(e) - B&W Weld Filler Certification P4	"	"	79-15
43	50.55(e) - Unit 2 Tendon Sheathing Commission Review P4 Ref. 77-07 77-08	"	"	79-15
44	Site Tours (It was noted during one of these tours that "house-keeping" activities associated with drilling support anchor bolt holes at the mezzanine for the east core flood line for Unit 2 were deteriorating) P4(1)	"	"	
45	50.55(e) - Settlement of Diesel Generator Foundations & Structures For References see Item 14	"	"	

1979 REPORTS

#	TOPIC	RPT #	OPENED	CL
46	50.55(e) - Class 1E Battery Racks, Seismic Braces P3 Ref. 79-08	79-15	6/1-7/11	
47	50.55(e) - Inadequate Cooling Water Flow to Containment Recirculation Coolers P3	"	"	
48	Purge Paper in Unit 2 Reactor Building Spray System Piping	"	"	
49	50.55(e) - B&W Weld Filler Certification P4(1)	"	"	79-15
50	50.55(e) Unit 2 Tendon Sheathing P4(2) Ref. 77-07/08, 77-10	"	"	79-15
51	Site Tours - It was noted that "housekeeping" activities associated with drilling support anchor bolt holes at the mezzanine for the east core flood line for Unit 2 were deteriorating. Licensee took immediate steps to improve situation and protect piping in the area P4(1)	"	"	
52	Post Weld Heat Treatment of Unit 2 Reactor Coolant System P5(3) Ref. 79-26	"	"	
53	Corrosion of Buried Stainless Steel Piping P5(4)	"	"	
54	Purge Paper in Unit 2 Reactor Bldg. Spray System Piping P5(2)	"	"	
55	Presence of Fluid in 350 MCM-3/C B-11 Power Cable P6(5) Ref. 79-13, 80-08, 79-27, 81-04	"	"	
56	UNRESOLVED - Auxiliary Feedwater Pump Seal and Oil Coolers P6(6) <i>Escalated to Item of Noncompliance 79-26 - No Response Required.</i>	79-15-01	"	79-26

1979 REPORTS

#	TOPIC	RPT #	OPENED	CLC
57	Decay Heat Removal Pump Inservice Inspection P6(7)	79-15	6/1 - 7/11	
58	Qualification Testing of Cable Ties P7(8)	"	"	
59	Assembly of Unit 2 Reactor Coolant Pump P7(9)	"	"	
60	Installation of Unit 2 Containment Prestress Tendons P7(10)	"	"	
61	QA Overview Inspections For Instrument and Control Installations P7(11)	"	"	
62	Fatal Industrial Accident P7(12)	"	"	
63	Complete Loss of Offsite Power P7(13)	"	"	
64	Questionable Existence of Unauthorized Weld in Unit 2 Letdown Cooling System P8(14)	"	"	
65	Site Tours (Chains noted being used to support valves and/or piping spools in the decay heat removal system in Room 27 of the 568' elevation of the Auxiliary Building.) P3(1)	"	"	
66	50.55(e) - Settlement of Diesel Generator Building P2 For refer- ences see item 14	"	"	
67	Specialized Site Meeting and Tour P3(2)	"	"	
68	50.55(e) - Reactor Building Spray Piping Supports	"	"	

1979 REPORTS

#	TOPIC	RPT #	OPENED	C/C
69	Cut Wires in Control Room P4(3) Ref. 79-11	"	"	
70	50.55(e) - Inadequate Solder Terminations	"	"	
71	Damaged Power Cable P4(4)	"	"	
72	Hydrostatic Test of Unit 2 Incore Instrument Tank to T-87 P4(5) Ref. 79-13	"	"	
73	Auxiliary Feedwater Pump Seal and Oil Coolers P4(6)	"	"	
74	Management QA Audit P5(7) Ref. 79-12	"	"	
75	Meeting in Glen Ellyn to discuss qualifications of personnel Inspecting containment post-tension system Ref. 79-28	79-23		
76	50.55(e) - Settlement of Diesel Generator Building Ref. 78-13-03 For full list of references see Item 14	79-26	8/5-9/78	
77	50.55(e) - Inadequacies in Hilti Drop-in Anchors P2	"	"	
78	NONCOMPLIANCE - No Response Required - Auxiliary Feedwater Pump Seal & Oil Coolers. Ref. 79-15-01, 79-16	"	"	
79	Post Weld Heat Treatment of Unit 2 Reactor Coolant System P4(2) Ref. 79-15	"	"	
80	Assembly of Unit 2 Reactor Coolant Pumps P4(3) Ref. 79-15, 81-12	"	"	

1979 REPORTS

#	TOPIC	RPT #	OPENED	CLO
81	Metal Filings in Decay Heat Removal Pump P5(4)	79-26	8/5-9/28	
82	Potential Overflow of Spreading Room Raceways P5(5)	"	"	
83	Allegations of Improper Brazing P5(6)	"	"	
84	NONCONFORMANCE - No Response Required - Unresolved matter #79-15-01 escalated to Item of Nonconformance - Coolers for Auxiliary Feed Water Pumps P3 Ref. 79-15-01, 79-16	79-26-01	"	79-26
85	NONCOMPLIANCE - QC Hold Tags Violated - Previously unresolved matter #79-09-01 P2 Ref. 79-09, 81-04	79-27-01	10/1-31 81-04	
86	50.55(e) - Boration System Inadequacies P3	"	"	
87	Presence of Fluid in 350 MCM-3/C B-11 Power Cable P3(2) Ref. 80-08, 79-13, 79-15, 81-04, 79-27	"	"	
88	Assembly of Unit 2 Reactor Coolant Pumps P3(3) Ref. 79-15, 79-26, 81-12	"	"	
89	Arch Strike on Unit 2 Vessel Flange P4(4)	"	"	
90	Installation of Unit 2 Containment Prestress Tendons P4(5) Ref. 79-23	"	"	
91	Certification of QC Personnel for Post-tensioning work P2 Ref. 79-19-01, 79-23	79-28	11/1-30	

1979 REPORTS

#	TOPIC	RPT #	OPENED	CLC
92	Site Tours (Cleaning of Unit 2 containment with air lances generated excessive dust while B&W was attempting welding operations) P3(1)	79-28	11/1-30	
93	Assembly of Unit 1 Reactor Coolant Pumps P3(2) Ref. 79-30/31 80-16/17	"	"	
94	Post Weld Heat Treatment of Unit 1 Reactor Coolant System P3(3) Ref. 79-26	"	"	
95	Review of Nonconformance Reports P3(4)	"	"	
96	Electrical Fires P3(5)	"	"	
97	Boric Acid Storage Tanks P4(6)	"	"	
98	U.S. Corps of Engineers Geotechnical Review P4(7)	"	"	
99	UNRESOLVED ITEM - Unit 2 Reactor Vessel Internal Assembly P4(8) (Absence of current valid assembly procedures onsite)	79-28-01	"	80-29/30
100	59.55(e) - Settlement of Diesel Generator Building - Discussed impact of NRC Order Modifying Construction Permit pertaining to settlement of the Diesel Gen. Bldg. and Soil Settlement. Licensee stated their activities would be aimed at protecting existing safety-related buried pipe, conduit, and presently excavated areas from inclement winter weather. Licensee stated need to lower pond water level to repair dike wall riprap. P2 Ref. 78-13-03	79-30/31	12/1-31	

1980

1980 REPORTS

#	TOPIC	RPT #	OPENED	CLO
1	UNRESOLVED ITEM - 78-19-05 - Resident Inspector Witnessed Pull Tests on Grouted Anchor Bolts P2	80-08	1/1-31	
2	50.55(e) - Failure of RV Anchor Bolts P3 Ref. 80-10, 80-14/15, 80-18/19, 80-05, 79-25, 80-08, 80-9/10, 80-12/13, 80-16/17, 80-22/23, 80-13,14	"	"	
3	UNRESOLVED ITEM - RV Internal Assembly - Unit 1 (Ref 80-9/10 - Item of Noncompliance) P4(2)	80-08-01	"	
4	Site Tours - Licensee improving control of extraneous welding materials P3	"	"	
5	Presence of Fluid in 350 MCM - 3/C B-11 Power Cable P4(3) Ref. 79-13, 79-15, 79-27, 81-04	"	"	
6	Management Meeting in Jackson, MI - Construction Matters Requiring Resolution Before Issuance of OL P4(4) Ref. 80-02	"	"	
7	50.55(e) - Resident Inspector Informed of Modification of Class 1E Battery Racks P3 Ref. 78-21, 79-08, 79-15	80-09/10	2/1-29 "	
8	50.55(e) - Settlement of Diesel Generator Foundations & Structures P3 Ref. 78-13-03, ⁷⁸⁻¹² 78-13, 78-21, 78-22, 78-23, 79-06, 79-08, 79-09, 79-13, 79-15, 79-16, 79-22, 79-26, 79-30, 79-31	"	"	
9	50.55(e) - Failure of Reactor Vessel Anchor Bolts P3 Ref. 80-14/15	"	"	

1980 REPORTS

#	TOPIC	RPT #	OPENED	CLC
10	Ruskin Fire Dampers - 10 CFR Part 21 P4(1)	80-09/10	2/1-29	
11	American Warming and Ventilating, Inc. Milliampere Hydramotor Actuators - 10 CFR Part 21 P5(2)	"	"	
12	NDE-Borated Water Storage Tanks P5(3) Ref. 80-07, 80-27/28, 81-02	"	"	
13	Peaceful Demonstration at the Midland Site P5(4)	"	"	
14	NONCOMPLIANCE - Previously Unresolved Item No. 80-08-01	80-10-01	"	
15	ZACK - Investigation Concerning Allegations Pertaining to the Zack Co. Ref. 81-08 (Report can be found in Zack File)	80-10/11	3/6 - 7/	
16	Detensioning of RV Hold Down Bolts P2(2) Ref. 80-16/17, 80-18/19, 80-22/23, 80-26/27, 79-25, 80-05, 80-08, 80-12/13, 80-13/14, 80-14/15, 80-9/10	80-12/11	3/1-31	
17	Investigation - Construction Activities Pertaining to Fabrication of Borated Water Storage Tanks P3(3) Ref. 80-07, 80-9/10, 80-27,28, 81-02, 81-06, 80-20/21	"	"	
18	Investigation - Construction Activities Pertaining to Installation of HVAC Systems P3(4) Ref. 80-10/11, 80-12/13, 80-16/17, 80-18/19, 80-19/20, 80-22/23	"	"	
19	Methylacetylene and Propadiene (MAPP) Gas, Gas Fire P3(5)	"	"	

1980 REPORTS

#	TOPIC	RPT #	OPENED	CLOS
20	Fire in Small Bore Piping Design Trailer P4(6)	80-12/3	3/1-31	
21	Fire in Consumers Power Co. Operations Trailer Complex P4(7)	"	"	
22	Site Tours - Examined minor fire damage that had occurred to a small electrical distribution box. P2(1)	80-16/17	4/1-30	
23	Detensioning of Reactor Vessel Hold Down Bolts P3(2) Ref. 80-12/18 80-18/19, 80-22/23, 80-26/27, 79-25, 80-05, 80-08, 80-9/10, 80-12/14 80-14/15	"	"	
24	Assembly of Unit No. 1 Reactor Coolant Pumps P3(3) Ref. 79-28 79-30/31	"	"	
25	Investigation - Construction Activities Pertaining to Installation of HVAC Systems P4(4) Ref. 80-12/18, 80-10/11, 80-18/19, 80-19/20 80-22/23	"	"	
26	Ruskin Fire Dampers - 10 CFR Part 21 P4(5)	"	"	
27	Resident Inspector participated in investigation summary meetings to discuss the Zack Co. investigation efforts.	"	"	
28	50.55(e) - Management Meeting pertaining to failed RV Hold Down Bolts P4(5) Ref. 80-14/15, 80-10, 80-08	"	"	
29	Detensioning of RV Hold Down Bolts P4(6) Ref. 80-12/13, 80-16/17 80-22/23, 80-26/27, 79-25, 80-05, 80-08	"	"	

1980 REPORTS

#	TOPIC	RPT #	OPENED	C.L.C.
30	Container Marked Radioactive Material P5(7)	80-16/17	4/1-30	
31	Fuel Facility and Material Safety Branch Audit of Peabody Testing P5(8)	"	"	
32	Class 1E Electrical Conduit Clamp Installation P5(9) Ref. 80-19/20	"	"	
33	Concrete Expansion Anchors P3(2)	80-18/19	5/1-31	
34	Suspect Restraint Bolting Material P3(3)	"	"	
35	Investigation Construction Activities Pertaining to Installation of HVAC Systems P4(4) Ref. 80-12/13, 80-10/11, 80-18/19, 80-19/20 80-22/23	"	"	
36	Management Meeting - Discussions pertaining to failed reactor vessel anchor bolts and NRC findings pertaining to investigations of construction activities for installation of heating, ventilating and air conditioning systems. P4(5) Ref. 80-14/15			
37	Detensioning of RV Hold Down Bolts P4(6)	"	"	
38	Container Marked Radioactive Material P5(7)	"	"	
39	Fuel Facility and Material Safety (FF&MS) Branch Audit of Peabody Testing P5(8)	"	"	
40	Class 1E Electrical Conduit Clamp Installation P5(9) Ref. 80-19/20	"	"	

1980 REPORTS

#	TOPIC	RPT #	OPENED	C.L.C.
41	50.35(e) - Emergency Core Cooling Actuation System Logic P2(2)	80-19/20	6/1-30	
42	Investigation - Unlicensed Radiographics P3(3)	"	"	
43	Investigation - Construction Activities Pertaining to Installation of HVAC Systems P3(4) Ref. 80-10/11, 80-12/13, 80-16/17 80-18/19, 80-22/23	"	"	
44	50.55(e) - Personnel Airlock Door P3(5) Ref. 80-15/16, 78-04	"	"	
45	UNRESOLVED - Class 1E Electrical Conduit Clamp Installation P4(6) Ref. 80-18/19	80-19/20-01	"	80-10
46	Review of Quality Control Procedures P3(1)	80-21/22	7/16-19	
47	Review of Welding Procedures P3(2)	"	"	
48	Zack Quality Assurance Manual Review P4(1)	"	"	
49	Consumers Power Company Overview Activity P4(2) Ref. 80-29/30	"	"	
50	Zack Organization Review P5(3)	"	"	
51	Material Reassessment Review - Drop-in Anchor Bolts P5(4a)	"	"	
52	Material Reassessment Review - Welding to 3/4" and above base metal P6(4b)	"	"	

1980 REPORTS

#	TOPIC	RPT #	OPENED	CLC
53	Material Reassessment Review - Hanger Reinspection P7(4c)	80-21/22	7/16-18	
54	Reinspection Overview - Bechtel Corporation QC P8(5a)	"	"	
55	Licensee Corrective Action P8(6) Ref. 80-29/30, 80-37/38	"	80-29/ " 80/37/	
56	Classification of Fire Dampers and Other Components as Equipment P9(7)	"	"	
57	NONCOMPLIANCE - Qualification of Zack Co. Welders P10(8) - Region letter requested response - Report Details section indicated no response needed.	80-21/22-01 "	"	8/1-0
58	Material Certification P10(9)	"	"	
59	Welding Parameter Verification P11(10) Ref. 80-29/30	"	"	80- 29/30
60	Exit Interview - Pertained to Zack Co. Items Requiring Resolution before Stop Work Order could be lifted. Also referred to teleco between CPCo, RIII, Resident Inspector & Bechtel lifting Stop Work Order on Zack P12 Reference IAL	"	"	
61	Detensioning of Reactor Vessel Hold Down Bolts P2(2) Ref. 80-26/27 80-12/13, 80-16/17, 80-18/19, 79-25, 80-05, 80-08, 80-9/10 80-13/14, 80-14/15	80-22/23	7/1-3	
62	Follow-up Review of Corrective Measures for Installation of HVAC Systems P3(3) Ref. 80-21/22, 80-26/27	"	"	

1980 REPORTS

#	TOPIC	RPT #	OPENED	CLO
63	Site Tours - Resident Inspector advised that an analysis had been performed to determine deleterious effects of possible ash fallout from Mt. St. Helen's eruption. No deleterious effects anticipated. P2(1)	80-22/23	7/1-31	
64	Investigation - Construction Activities Pertaining to Installation of HVAC Systems P3(4) Ref. 80-10/11, 80-12/13, 80-16/17, 80-18/19, 80-19/20	"	"	
65	Caseload Forecast Panel P3(5)	"	"	
66	Detensioning of RV Holddown Bolts P2(2) Ref. 80-22/23, 80-12/13, 80-16/17, 80-18/19, 79-25, 80-05, 80-08, 80-13/14, 80-14/15, 80-9/10	80-26/27	8/1-31	
67	Follow-up Review of Corrective Measures for Installation of HVAC Systems P3(3) Ref. 80-21/22, 80-22/23	"	"	
68	Management Meetings - Meeting with CPCo Director of Environmental Service, QA & Testing to discuss effectiveness of onsite QA organizations, impact of integration of CPCo & Bechtel Corp. QA personnel & reorganization of management structure P3(4)	"	"	
69	Meeting With Soils Hearing Petitioners P3(2)	80-29/30	9/1-30	
70	UNRESOLVED - Damage to Diesel Generator Electrical Rotor P3(3) Ref. 80-31/32	80-29-01 80-30-01	"	

1980 REPORTS

#	TOPIC	RPT #	OPENED	CLO
71	Welding Procedure Changes for Installation of HVAC Systems (Condition for resumption of safety-related work by Zack Co.) P4(5) Ref. 80-21/22	80-29/30	9/1-30	
72	Timeliness of QC Inspections for Installation of HVAC Systems (Condition for resumption of Safety-related work by Zack Co.) P4(5) Ref. 80-21/22	"	"	
73	Quality Control Classification of Diesel Fuel Oil P3(2)	80-31/32	10/1-31	
74	Alignment of Unit 1 Reactor Coolant Pumps P3(3)	"	"	
75	HVAC System Fire Dampers P3(4) Ref. 80-34/35	"	"	
76	Hydrostatic Test of Borated Water Storage Tanks P4(5)	"	"	
77	Installation of Level Sensing Nozzles for Unit 2 "B" Steam Generator P4(6)	"	"	
78	Installation of Level Sensing Nozzles in the Unit 2 Pressurizer P4(7)	80-31/32	10/1-31	
79	Changes in Site Management P5(8)	"	"	
80	NONCOMPLIANCE - Transamerica Delaval, Inc., 10 CFR 50 Part 21 Notification P5(9)	80-31-01 80-32-01	81-07	
81	Transamerica Delaval, Inc., 10 CFR Part 21 Notification - Link Rod Defect P2(1)	80/34-35	11/1-30	

1981

1981 REPORTS

#	TOPIC	RPT #	OPENED	(CLO)
1.	CPCo Audits of the Zack Co. P3(2) Ref. 80-37/38	81-04	1/1-31 2/1-14	
2	Presence of Fluid in 450 MCM-3C B-11 Power Cable P3(3) Ref. 79-13, 79-15, 79-27, 80-08	"	"	
3	50.55(e) - Underrated Terminal Strips on Limitorque Valve Operators P4(4) Ref. 81-18	"	"	
4	No Response Required - Severity Level V NONCOMPLIANCE - Installation of Core Support Assembly Vent Valves P4(5) (Failure to comply with provisions of B&W Quality Control Procedure No. 9-CP-101) Ref. 81-03	81-04-01	"	
5	Severity Level V NONCOMPLIANCE - Failure to have an appropriate procedure describ- ing the installation of the vent valves. P6 Ref. 81-03	81-04-02	"	
6	Site Tours - It was noted that some of the dunnage and pipe storage in a laydown area to the east of Unit 1 containment was deteriorating. P3(3a)	81-07	2/15-28 3/1-31	
7	Transamerica Delaval, Inc., 10 CFR Part 21 Notification - Turbo- charger Thrust Bearing Lubrication P3(3c)	"	"	
8	Transamerica Delaval, Inc., 10 CFR Part 21 Notification - Link Rod Defect P3(3b)	"	"	
9	Bomb Threat P4(3d)	"	"	
10	Soil Borings P4(3e) Ref. 81-10 81-13	"	"	

1980 REPORTS

#	TOPIC	RPT #	OPENED	CL
11	REPORT # 81-08 OUT OF SEQUENCE - LOCATED AFTER #81-13	81-08	6/1-30	
12	Site Tours - Mr. D. Hood, NRR Project Manager & Ms. E. Brown, Office of the Executive Legal Director accompanied the inspector on one of his tours while those areas being discussed as part of the soil settlement issues were examined. P3(3a)	81-10	4/1-30	
13	Examination of Laydown Area P3(3b)	"	"	
14	Quality Control Classification of Diesel Fuel Oil P3(3c)	"	"	
15	Soil Borings P4(3d) Ref. 81-13, 81-07	"	"	
16	50.55(e) - Potential Failure of Service Water Sluice Gates to open P4(3d) - No longer considered reportable.	"	4/3/81	81-10 BIXI
17	50.55(e) - Adequacy of Structural Reinforcement at Major Containmentment Penetrations P4(3f)	"	4/17/81	
18	Investigation - Construction Activities Pertaining to Installation of HVAC Systems P5(3g) Ref. 80-10/11, CPCo letter dtd 1/30/81	"	"	
19	Exit Interviews - Inspector met with management personnel to discuss acceptable means of determining tightness of conduit pipe clamps.	"	"	
20	Construction Assessment Team Inspection P2(2b) Ref. 81-12 (Reactor Coolant Pump NCR's)	81-13	5/1-31	

1980 REPORTS

#	TOPIC	RPT #	OPENED	CL
21	Brine Well Samples - Veisicol Chemical Company P3(2c)	81-13	5/1-31	
	*IMMEDIATE ACTION LETTER ISSUED MAY 22, 1981			
22	Soil Borings P3(2d) Ref. 81-10	"	"	
23	Site Tours - Storage Conditions were not adequate for some equipment P2(a)	81-08	6/1-30	
24	Change of QA/QC Responsibilities for Installation of HVAC Systems P3(b)	"	"	
25	Investigation - Construction Activities Pertaining to Installation of HVAC Systems P3(c) Ref. 80-10/11	"	"	
26	Allegations - Small Bore Pipe Installation P3(d)	"	"	
27	NONCOMPLIANCE - Severity Level V - On Site Storage of Material and Equipment P3(3) (1) Storage of Control Rod Drive (CRD) Primary AC Breakers P4 (2) New and Spent Fuel Storage Racks P4 (3) Battery Chargers P4	81-08-01		81-2 "
28	Allegations - Small Bore Pipe Installations P2(2b) Ref. 81-14	81-17	7/1-31	
29	Management Meeting P3(2c) - Referencing LETTER OF UNDERSTANDING Ref. 81-14	"	"	
	* LETTER OF UNDERSTANDING - 7/27/81			

1980 REPORTS

#	TOPIC	RPT #	OPENED	CLC
30	Meeting With Soils Settlement Hearing Intervenor P3(2d) REF. IMMEDIATE ACTION LETTER	81-17	7/1-31	
31	Hearings - Soil Settlement Issues P3(2e)	"	"	
32	Site Tours - It was noted during these tours that the licensee had commenced digging dewatering wells in the area of the service water building. P2(2a)	81-18	9/1-31	
33	Examination of Laydown Area - Piping and equipment were stored on dunnage and the area appeared drained. P2(2b)	"	"	
34	Licensee Audit - regarding on site storage of Material and equipment Ref. 81-08	"	"	
35	Allegations - Small Bore Pipe Installation P3(2d)	"	"	
36	Hearings - Soil Settlement Issues P3(2e)	"	"	
37	50.55(e) - Underrated Terminal Strips on Limitorque Valve Operators P3(2f) Ref. 81-04	"	"	
38	<i>UNRESOLVED</i> In-place Storage and Maintenance of Limitorque Motor Operators P2(2b)	81-22-c	9/1 - 11/30	
39	50.55(e) - Underrated Terminal Strips on Limitorque Valve Operators P3(2c)	"	"	
40	Failure of Power-Strut Spring Lock Nuts P3(2d)	"	"	

1981 REPORTS

#	TOPIC	RPT #	OPENED	CL
41	Cycle 2 Systematic Assessment of Licensee Performance (SALP) P3(2e)	81-22	9/1 - 11/30	
42	Changes in Site Management P4(2f) - T. Cooke transferred to Jackson - B. Peck to Midland Site Const. Super. - D. Turnbull to Asst. Mgr. for Adm. & Special Proj. - Messrs. Marguglio and Bird Assumed Project QA Superintendent functions.	"	"	
43	Site Tours - Storage discrepancies noted in the pipe storage conditions at the Poseyville Road laydown area.	81-23	12/1/81 to 6/30/82	
44	On Site Storage of Materials - Deterioration of storage conditions of piping in the G-15-N area of the Poseyville Road laydown area. P3(b)	"	"	
45	Management Meetings - to discuss QA, staffing & QA proposed program for remedial soils. - Meeting in RIII re installation and over-inspection of Class 1E electrical cables. P3(c)Ref. 82-01 & 82-09	"	"	
46	Changes in Site Management - M. Curland assumed full-time on-site position of Site Project QA Superintendent. P3(d)	"	"	
47	Cycle 2 Systematic Assessment of Licensee Performance (SALP).	"	"	
48	Damage to Electrical Penetrations - 50.55(e) - P4(f)	"	"	
49	Allegations Pertaining to Small Bore Pipe Welding P5(g) Ref. 82-04, 82-12	"	"	
50	Remedial Soils Work P5(h)	"	"	

1981 REPORTS

#	TOPIC	RPT #	OPENED CL.
51	Failure of Auxiliary Feedwater Header P5(i)	81-23	12/1/81 to 6/30/82
52	Assembly of Control Rod Drive Mechanisms - Unit 1 P5(j)	"	"
53	Exit Interviews P6(4)	"	"

1982

OSC
REPORTS

1982

1982 OSC REPORTS
 Shafer, Cook, Gardner, Landsman, Burgess

#	TOPIC	RPT #	OPENED	CLO
1	OPEN ITEM - Review of Training Program for Remedial Soils Activities - Training Program Deficiencies P3 <i>Ref. 82-24</i>	82-20-01	8/20 - 9/20	84-6
2	Remedial Soils Work Activities P3	"	"	
3	Midland Section Established P3	"	"	
4	Zack Material Inspection P4	"	"	
5	OPEN ITEM Workman's Protective Tags - Licensee's Corrective Action System P4	82-20-02	"	
6	Extension of SALP III Reporting Period P4	"	"	
7	SO.35(a) Radiation Monitoring System Equipment - Inferior Workmanship - VICTOREEN P4	"	"	
8	Modified Auxiliary Feedwater Header P5	"	"	
9	ITEM OF NONCOMPLIANCE Review of Remedial Soils QC Recertification Program - Failure to Control Documents P3	82-21-1A	9/20 - 10/12	
10	ITEM OF NONCOMPLIANCE Review of Remedial Soils Recertification Program - Failure to Control Controlled Copies of the Bechtel Quality Control Notices Manual P3	82-21-1B	"	
11	Site Tours - System walk down performed P4	"	"	
12	Limited Site Fire Main Capability P4	"	"	

1982 OSC REPORTS
Shafer, Cook, Gardner, Landsman, Burgess

#	TOPIC	RPT #	OPENED	CLO
13	Management Meetings P4	82-21	9/20 - 10/12	
14	Resident Inspector Visit to Zimmer Nuclear Power Station P5	"	"	
15	Functional or Program Areas Inspected P4	82-22	10/12 to 01/19-21/83	
16	Electrical Cable Terminations ITEM OF NONCOMPLIANCE - Termination of internal wiring in Diesel Engine Control Panel 1C112. P5 2b	82-22-01	"	
17	Diesel Control Panel Installations ITEM OF NONCOMPLIANCE - Diesel Engine Control Panels were not installed in accordance with foundation Drawing 7220-M18-83 and 7220-M18-250. P6 3a	82-22-02A	"	
18	Raceway Support Installations ITEM OF NONCOMPLIANCE - Size of the unscheduled pull box mounted on the conduit support did not conform to Sheet 42 of Drawing E-42. P7 4a	82-22-02B		
19	ITEM OF NONCOMPLIANCE The as-built wall to support dimension did not conform to the dimension required by drawing. P7 4b	82-22-02C		
20	ITEM OF NONCOMPLIANCE - As-built installation of tray support configuration and as-built support dimensions did not agree. P7 4c	82-22-02D		
21	OPEN ITEM - Status of the seismic analysis performed P7 4d	82-22-03		
22	Review of Quality Control Activities ITEM OF NONCOMPLIANCE - Failure to establish measures to control materials, parts, or components which did not conform to requirements in order to prevent their inadvertent use or installation. P9	82-22-04		

82-22
Civil Penalty closed
Notice of Violator

1982-OSC REPORTS - Shafer, Cook, Gardner, Landsman, Burgess

#	TOPIC	RPT #	OPENED	CL
23	UNRESOLVED ITEM - Undocumented audit finding P9	82-22-27	10/12 to 01/19-21	
24	ITEM OF NONCOMPLIANCE - Failure to not mark high strength steel with the material type and grade. P9(6a)	82-22-05A	"	
25	ITEM OF NONCOMPLIANCE - Failure to mark and/or segregate Q and non-Q material P10 (6b)	82-22-05B	"	
26	UNRESOLVED ITEM - Questionable ability of licensee to maintain material traceability and identification in accordance with the regulations. P10 (6c)	82-22-06	"	
27	UNRESOLVED ITEM - Inability to locate material traceability audits. P10 (6d)	82-22-07	"	
28	ITEM OF NONCOMPLIANCE - Failure of design documents to specify requirements for the selection and review for suitability of application of materials associated with the DG muffler P11 (7a)	82-22-08	"	
29	ITEM OF NONCOMPLIANCE - Failure to fabricate the slots in accordance with design drawings P11 (7b1)	82-22-09A	"	
30	ITEM OF NONCOMPLIANCE - Failure to install the jacking plates P12 (7b2)	82-22-09B	"	
31	ITEM OF NONCOMPLIANCE - Failure of the licensee to protect the bearing surfaces from dirt, dust, and other forms of contamination P12 (7b3)	82-22-10		

1982 OSC REPORTS - Shafer, Cook, Gardner, Landsman, Burgess

#	TOPIC	RPT #	OPENED	CLO
32	ITEM OF NONCOMPLIANCE - Failure of the licensee to ensure that Quality assurance requirements defined in the FSAR and the SER were translated into the design and construction of the exhaust system hangers P13 (8a)	82-22-11	10/12 to 11/25 81 01/19-21	
33	ITEM OF NONCOMPLIANCE Failure to control components which did not conform to requirements P13 (8a)	82-22-12A	"	
34	ITEM OF NONCOMPLIANCE - Failure to verify 70° preheat temperature requirements P13 (8b)	82-22-13	"	
35	UNRESOLVED ITEM - Monorail design and installation P14 (9)	82-22-14	"	
36	ITEM OF NONCOMPLIANCE - Failure to analyze the monorails to Seismic Category I requirements P14 (9)	82-22-15A	"	
37	ITEM OF NONCOMPLIANCE - Failure to identify and control nonconforming design on a "Proximity-Seismic Category II/I Interaction Identification Sheet" instead of a Nonconformance Report. P14 (9)	82-22-12B	"	
38	ITEM OF NONCOMPLIANCE - Failure to ensure that work was accomplished in accordance with the drawings. P15 (10a)	82-22-16	"	
39	ITEM OF NONCOMPLIANCE - Failure of QC to detect and identify nonconformances. P15 (10a)	82-22-17	"	
40	ITEM OF NONCOMPLIANCE - Failure of the licensee to establish measures to identify the existence of retired FCR/FCNs on the appropriate design drawings. P15 (10b)	82-22-18A	"	

1982 OSC REPORTS - Shafer, Cook, Gardner, Landsman, Burgess

#	TOPIC	RPT #	OPENED	CLO
41	ITEM OF NONCOMPLIANCE - Design changes being implemented without the same review and approval as the original design. P15 (10c1)	82-22-15B	10/12/82 11/25/82	01/19-21
42	ITEM OF NONCOMPLIANCE - Failure to follow procedures P16 (10c2)	82-22-18B	"	"
43	ITEM OF NONCOMPLIANCE - Failure to develop procedures to adequately control field sketches P16 (10c3)	82-22-18C	"	"
44	ITEM OF NONCOMPLIANCE - Failure to control the gusset plate design P16 (10c4)	82-22-15C	"	"
45	UNRESOLVED ITEM - Actual plate thicknesses not determined at the time of inspection. P16 (10d)	82-22-19	"	"
46	OPEN ITEM - Design code (ASME) for nuclear pipe over two inches in diameter, had not been specified. Matter referred to NRR. P17 (11)	82-22-20	"	"
47	ITEM OF NONCOMPLIANCE - Adequate measures not established to control the issuance of document changes. P18 (12)	82-22-21	"	"
48	UNRESOLVED ITEM - Inability to demonstrate that the manufacturers had an adequate quality program. P22 (14b)	82-22-22	"	"
49	ITEM OF NONCOMPLIANCE - Failure to establish measures to control materials which did not conform to requirements and to prevent their inadvertent use or installation in Class 1 systems. P22 (14b)	82-22-23	"	"
50	ITEM OF NONCOMPLIANCE - Failure of the licensee to provide controls over activities such as concrete chipping which affects the quality of structures. P25 (17)	82-22-24	"	"

1982 OSC REPORTS - Shafer, Cook, Gardner, Landsman, Burgess

#	TOPIC	RPT #	OPENED	CLO
51	ITEM OF NONCOMPLIANCE - Failure to establish a program for inspection of cables installed in horizontal trays which use metal dividers to ensure conformance with design requirements for cable segregation. P25 (18)	82-22-25	10/12 to 01/19-81	
52	ITEM OF NONCOMPLIANCE - Failure to translate applicable regulatory requirements into design documents. P28 (25)	82-22-26	"	
	<i>UNRESOLVED ITEM</i>			
	<i>5% OC Expenses pertaining to inspection & documenting of concrete & steel rebar</i>	<i>82-22-27</i>		<i>83-27</i>
53	CPCo Construction Completion Program P2(1)	82-24	11/25 to 12/22	
54	HVAC Welder Certification and Procedure Qualification 50.55(e) Item P3(2)	"	"	
55	Investigation (electrical allegations) P3(3)	"	"	
56	Emergency Preparedness Drill P3(4)	"	"	
57	Remedial Soils Work Activities P4(5)	"	"	
58	Tours P4(6)	"	"	
59	Remedial Soils Work Activities P3(1)	82-26	12/22 to 1/21/83	
60	FIVP Proof Load Jacking P5(2)	"	"	
61	OPEN ITEM Auxiliary Feedwater Assembly - B&W 10 CFR Part 21 Reportable Items may not have been manufactured by an approved vendor. PC(3)	82-26-01	"	

1961

MIDLAND INSPECTION SITE TEAM 1983

#	TOPIC	RPT #	OPENED	CLO
1	ITEM OF NONCOMPLIANCE - Use of unofficial non-quality documents to document QC inspection findings P3 (1a)	01A 83-03	1/22 to 2/20	
2	ITEM OF NONCOMPLIANCE - Failure to document audit results in order for the results to receive proper management review and corrective action P3 (1b)	83-03-01B	"	
3	ITEM OF NONCOMPLIANCE - Failure to review and disposition deficiencies and nonconformances identified on Attachment 10 forms since 1981 P3(1c)	83-03-01C	"	
4	Review of Conduit Hanger Loading - ITEM OF NONCOMPLIANCE - Failure of the quality assurance program to provide controls over activities affecting the quality of "Q" items or activities P4 (2c)	83-03-01D	"	
5	Document Control - ITEM OF NONCOMPLIANCE - Failure to maintain control over distribution of drawings P5 (3)	83-03-01A(2)		
6	Excavation Permit System - OPEN ITEM - Failure of licensee to implement recommended excavation permit system covering underpinning work P5(4).	83-03-02	"	84-03
7	Third Party Independent Assessment P5(5)	"	"	
8	Underpinning Pier Concrete P5(6)	"	"	
9	Remedial Soils Work Activities P6(7)	"	"	

MIDLAND INSPECTION SITE TEAM 1983

#	TOPIC	RPT #	OPENED	CLO
10	Allegations - Closed Allegation #82#01-01 - Conclusion - insufficient basis for continued NRC investigation into this allegation P7(8a)	83-03	1/22 to 2/20	
	- Closed Allegation #82#01-02 - Conclusion - insufficient information for continued NRC investigation P7(8b)	"	"	
11	- Closed Allegation #82*01-03 - Conclusion Not an NRC concern and insufficient information to justify continued NRC investigation. P7(8c)	"	"	
	- Closed Allegation #82#01-04 - Conclusion - Lack of specific information regarding instances of onsite vandalism involving safety related systems and components negates further NRC investigation of this matter. P8(8d)	"	"	
	- Closed #83#01-05 - Conclusion - insufficient information which would facilitate the continued NRC investigation into this matter P8(8e)	"	"	
	- Closed - Allegation #82#01-06 - Conclusion - insufficient information which would facilitate the continued investigation into this matter. P9(8f)	"	"	
	- Closed - Allegation #82-#01-07 - Conclusion - insufficient information for continued NRC investigation P9(8g)	"	"	
	- Closed - Allegation #82#01-08 - Conclusion - Monetary issues are not within the purview of the NRC P9(8h)	"	"	
	- Closed - Allegation #82#01-09 - Conclusion - Insufficient information to continue investigation P10(8i)	"	"	

MIDLAND INSPECTION SITE TEAM 1983

#	TOPIC	RPT #	OPENED	CLO
	- Closed - Allegation not included in RIII tracking system - Conclusion: Allegation dealt with cost concerns and not with component quality concerns. Monetary concerns are not within the NRC purview.	83-03	1/22 to 2/20	
11	Quality Control Inspector Training and Recertification Activities P10(9)	"	"	
12	Four Point Jacking Test P11(10)	"	"	
13	Pier 12 East and West P12(11)	"	"	
14	Quality Assurance Audit P13(12)	"	"	
15	Diesel Generators P13(13)	"	"	
16	Laydown Area P13(14)	"	"	
17	Tours P13(15)	"	"	
18	Public Meeting to Discuss the Licensee's Construction Completion Program P14(16)	"	"	
19	Open Items P14(17)	"	"	
20	Quality Control Inspector Training and Recertification Activities P2(1)	83-05	2/21 to 3/20	

MIDLAND INSPECTION SITE TEAM 1983

#	TOPIC	RPT #	OPENED TO	CLO
21	Remedial Soils Work Activities P3(2)	83-05	2/21 to 3/20	
22	Plant Tours P3(3)	"	"	
23	ITEM OF NONCOMPLIANCE - Snubber Protection - Failure to protect installed mechanical snubbers from physical damage during normal construction activities P4(4)	"	"	
24	Licensee Substance Abuse Plan P4(5)	"	"	
25	Utility (CPCo) Self Imposed Evaluation (INPO Criteria) P4(6)	"	"	
26	Independent Assessment of Auxiliary Building Underpinning P4(7)	"	"	
27	Training and Certification of MPQAD Personnel P3(2)	83-10	3/21 thru 5/20	
28	Bechtel's Secrecy Agreement P4(3)	"	"	
29	Atomic Safety and Licensing Board (ASLB) Hearings P4(4)	"	"	
30	Meeting to Discuss the Construction Completion Program (CCP) P4(5)	"	"	
31	Meeting of Caseload Forecast Panel to Evaluate the Midland Construction Completion Schedules P5(6)	"	"	
32	Resident Inspectors Investigation of Allegations P5(7)	"	"	
33	Heating, Ventilation, and Air Conditioning (HVAC) Welding P6(8)	"	"	

MIDLAND INSPECTION SITE TEAM 1983

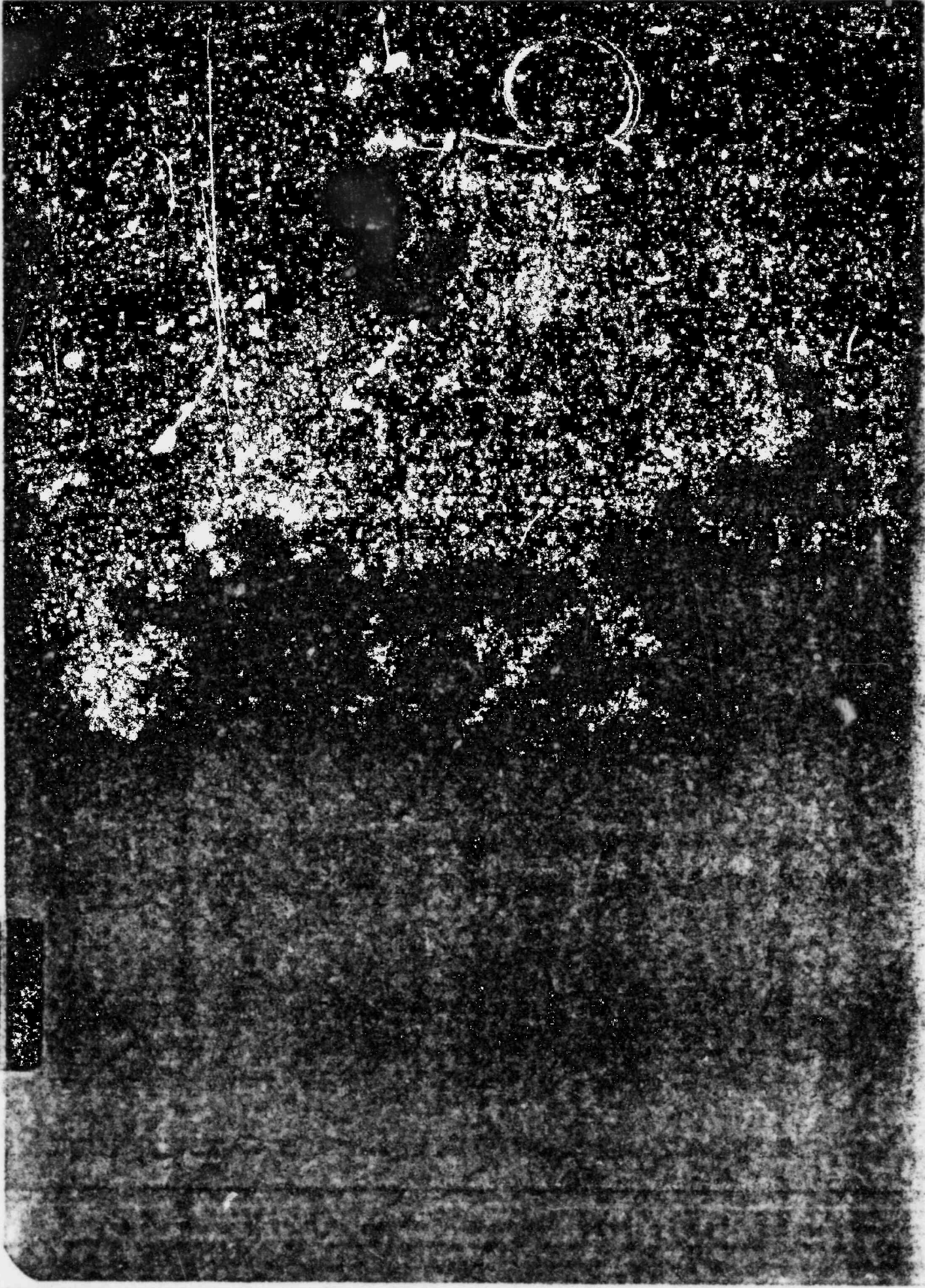
#	TOPIC	RPT #	OPENED TO
34	ITEM OF COMPLAINT - Heating, Ventilations and Air Conditioning (HVAC) Laydown Area Storage - Failure to establish measures to control nonconforming materials, parts, or components P7(9)	83-10-01	3/21 thru 5/20
35	Core Internals Inspection P8(10)	"	"
36	Plant Tours P8(11)	"	"
37	Remedial Soils Work Activities P8(12)	"	"
38	ITEM OF COMPLAINT Onsite Storage of Material and Equipment P2(2)	83-11-01	5/21 thru 6/20
39	Remedial Soils Work Activities P2(3)	"	"
40	Allegations P3(4)	"	"
41	OPEN ITEM U.S. Testing Audit Report Inspection P4(5)	83-11-02	"
42	Special Meetings	"	"
43	Atomic Safety and Licensing Board (ASLB) Hearings P5(7)	"	"
44	PUBLIC HEARINGS - CONSULTATION RE: 2 CONSTRUCTION COMPLETION PROGRAM	83-14/15	8/11/88
45	Remedial Soils Work Activities P2(2)	83-15/16	July 21 - Aug 20
46	Team Training P2(3)	"	"

MIDLAND INSPECTION SITE TEAM

#	TOPIC	RPT #	OPEN DATE	CIO
47	OPEN ITEM - Procedure under review to correct discrepancies. B&W Hanger Installations P3(4)	01	July 21- 83-15/16	Aug 20
48	Systematic Assessment of Licensee Performance (SALP) 3 P4(5)	"	"	
49	S&W Underpinning Reports P4(6)	"	"	
50	S&W Construction Implementation Overview (CIO) Reports P4(7)	"	"	
51	Open Items P4(8)	"	"	
52	Meeting re CPCo proposed third party overview; S&W's CIO	16/17	8/25	
53	Meeting P2(2)	"	"	
54	Attachment 1 -NRC, REGION III QUESTIONS FOR AUGUST 25, 1983, MEETING WITH S&W	"	"	
55	Attachment 2 - THIRD PARTY CONSTRUCTION IMPLEMENTATION OVERVIEW PRO- GRAM	"	"	
56	OPEN ITEM Review of Service Water Pump Structure (SWPS) Instrumentation - P2(2) Pending review of actions taken to implement commitments	01 19/20	Aug 21 - Sept 20	83 - 21/22
57	Remedial Soils Work Activities P3(3)	"	"	
58	Site Tours P3(4)	"	"	
59	S&W Underpinning Reports P3(6)	"	"	
60	S&W CIO Reports P4(7)	"	"	

1984

NON-RESIDENT
REPORTS



1977

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1977 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/77-11 330/77-14	Containment Liner Repair (Unit 2) P3(1)	Vandel	11/16-18	
329/77-11-01 330/77-14-01	UNRESOLVED ITEM - Review of CPCo QA Auditing (Qualifications of Auditors) P3(2)	"	"	78-04
329/77-12 330/77-15	Review of Procedures for Steel Structures and Supports (units 1 & 2) P12(1)	Naidu	11/29-12/2 12/5-8	
"	Review of Procedures for Structural Steel Welding Activities (Units 1&2) P12(2)	"	"	
"	Review of Quality Records for Structural Steel and Supports (Units 1&2) P14(3)	"	"	
329/77-12-01 330/77-15-01	UNRESOLVED ITEM - Damaged Lower Dome Liner P15 3a(2)	"	"	78-03
329/77-12-02 330/77-15-02	UNRESOLVED ITEM - Penetration Assemblies P16 3b(2)	"	"	78-03
329/77-12-03 330/77-15-03	UNRESOLVED ITEM - Embedments (MRR No. AEO-4205) P16 3c(1) Ref. 78-03-01	"	"	78-15
329/77-12-04 330/77-15-04	UNRESOLVED ITEM - ESCALATED TO ITEM OF NONCOMPLIANCE 78-03-01 - Embedments (MRR No. AEO-2181) P17 3c(2c) Ref. 78-03-01	"	"	78-15
329/77-12-05 330/77-15-05	UNRESOLVED ITEM - Bechtel Shop Inspection Checklist P17 3d	"	"	78-03
329/77-12-06 330/77-15-06	UNRESOLVED ITEM - Containment Penetrations Work Activities (Unit 2) P18 4d	"	"	78-07

MISCELLANEOUS MATERIAL ON GROUTING ATTACHED TO RPT. # 77-12/15

101

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1978 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/78-02 330/78-02	Record Review of Implementing Instructions and Procedures P2 1	Barrett	2/8-10	
"	Observation of Work Activities P5 2	"	"	
329/78-03 330/78-03	50.55(a) - Decay Heat Removal Pumps P7 2(a)	Cook/Lee/3/21-23 Naidu/Vandel		78-15
	50.55(e) - Potentially overstressed conditions of the containment spray system P7 2(b)	"	"	
329/78-03-01 330/78-03-01	UNRESOLVED ITEM - 77-13-04 escalated to ITEM OF NONCOMPLIANCE - P5 Ref. 77-13/15-04 79-22 (Reopened)	"	"	78-15
329/78-03 330/78-03	Reactor Vessel Installation - Review of QA Procedures P8 1	Lee	"	
"	Safety Related Piping - Observation of Work and Work Activities P8 2	"	"	
"	Safety Related Piping (Welding) - Observation of Work and Work Activities P8 3	"	"	
329/78-04 330/78-04-04	Review of Containment Structural Steel Supports Records (Unit 2) P10 1(f)	Naidu	"	78-05
329/78-03 330/78-03	Observation of Containment Structural Steel Support Welding Activities (Unit 2) P11	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1978 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/78-03 330/78-03	Review of Containment Structural Steel Supports Welding Records (Unit 2) P11	"	"	
329/78-03 330/78-03	Observation of Inadequate Concrete Cover on Steam Generator Pedestals (Unit 2) P12 4	Naidu	3/21-23	
329/78-03-01 330/78-03-01	ITEM OF NONCOMPLIANCE - DEFICIENCY - Embedments (MRR No. AEO-2181) Ref. 77-12/15, 79-22	"	"	78-15
329/78-03-02 330/78-03-02	ITEM OF NONCOMPLIANCE - INFRACTION - Review of Welding Procedure P1-A-LH Structural P13 5 Ref. #78-15, 79-12, 79-15	"	"	79-25
329/78-03-03 330/78-03-03	ITEM OF NonCOMPLIANCE - Infraction - Observation of Electrical Cable Tray Welds (Welds did not meet the criteria of Drawing E 740(Q) Ref. 78-07, 79-25, 80-01, 80-06, 80-30/31	"	"	81-12
329/78-03-04 330/78-03-04	UNRESOLVED ITEM - Review of Containment Structural Steel Supports Record - Unit 2 - Lack of Documenta- tion P11	"	"	
329/78-03-05 330/78-03-05	UNRESOLVED ITEM - Nonconforming Welds P15 6a	"	"	78-07
329/78-04 330/78-04	Use of an Index Register P3 1(a) Ref. 75-05	Barrett/ Cook/ Jablonski/ Vander	4/18-21	
"	Radiographic film density deficiencies P3 1(b) Ref. 78-06	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS 1978 REPORTS'

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/78-04-01 330/78-04-01	UNRESOLVED ITEM - Review of QA Implementing Procedures for Electrical Components, Cables, Raceway Supports and Raceway Not on Q-List. P4 1b <u>Reopened - Sutphin</u> Ref. 78-07,15,18; 79-20,22,25; 80-30/31, 79-18	Jablonski	4/18-21	80-15/16 REOPENED
329/78-04-02 330/78-04-02	UNRESOLVED ITEM - Color Coding of Switchgear P8 1h Ref. 78-07,15,18; 79-18,20	"	"	79-22
329/78-04-03 330/78-04-03	UNRESOLVED ITEM - Upgraded to ITEM OF NONCOMPLIANCE 78-07-03 - Potential for Inadvertant Use of Uncontrolled Drawings P8 1i Ref. 78-07	"	"	78-07
329/78-04-04 330/78-04-04	UNRESOLVED ITEM - No provision has been established to preclude installations with critical interface dimensions P8 1j Ref. 78-07	"	"	78-15
329/78-04-05 330/78-04-05	UNRESOLVED ITEM - Raceway segregation and separation requirements are not necessarily delineated in procedures; design reviews do not take place onsite. P9 1(1)	"	"	78-07
329/78-04-06 330/78-04-06	UNRESOLVED ITEM - Fire Prevention/Protection - No minimum requirements were delineated P10 1 3(4)	"	"	
329/78-04 330/78-04	Review of Receipt Documentation for Electrical Equipment P12 1	Barrett	"	
"	50.55(e) - Cable Penetrations P12 2	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1978 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/78-04 330/78-04	50.55(e) - Seismic welding in the upper spreading room P14A Ref. #78-03	Cook	4/18-21	
"	50.55(e) - Nuclear Instrumentation/Reactor Protection System (NI/RPS) channel loss of ground without the loss of ground being evident. P14B	"	"	
"	50.55(e) - Defective welds found in the containment personnel locks P14C	"	"	
"	Tendon Galleries P14	"	"	
"	Weld Shield Fabric Quality P15	"	"	
"	NSSS Components Installation - Unit 2 P16	Vandel	"	
329/78-05 330/78-05	50.55(e) - Containment Spray System Piping P5 1a	Cook/Erh Vandel Naidu	5/17-19	
"	50.55(e) - Potential Design Deficiency in the Grounding of Nuclear Instrumentation/Reactor Protection System (NI/RPS) Instrumentation P5 1b	"	"	
"	50.55(e) - Decay Heat Removal Pump Casing P5 1c	"	"	
"	50.55(e) - Flange Cap Screws	"	"	
"	Part 21 Procedural Provisions P6	Vandel	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1978 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/78-05 330/78-05	Observation of Containment Structural Steel Support Work Activities (Unit 1) P7 1	Naidu	"	
"	Review of Containment Structural Steel Supports Records (Unit 1) P7 2	"	"	
"	Observation of Containment Structural Steel Support Welding Activities (Unit 1) P8 3	"	"	
"	Review of Containment Structural Steel Supports Welding Records (Unit 1) P8 4	"	"	
"	Observation of Safety Related Steel Structures Work Activities (Unit 2) P9 5	"	"	
330/78-05-01	UNRESOLVED - Observation of Safety Related Steel Structures Welding Activities (Unit 2) P10 6(e)	"	"	79-22
"	Review of Weldrod Records P10 7	"	"	
"	Observation of Containment Penetration Activities (Unit 1) P11 8	"	"	
329/78-05-01 330/78-05-02	UNRESOLVED - Review of Containment Electrical Pene- tration Records (Unit 1) P13 9h - Parker "O" Rings Ref. #78-15	"	"	79-22
329/78-05-02 330/78-05-03	UNRESOLVED ITEM - Observation of Cadwelds P13 10	"	"	78-07

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1978 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/78-05-03 330/78-05-04	UNRESOLVED ITEM - Safety Status of Spent Fuel Pool	"	"	79-22
	Ref. 78-15			
329/78-05 330/78-05	Safety Related Piping-Procedure Review and Observation of Work (Unit 1) P14 1	Erb	"	
"	Record Review - Valves (Units 1 and 2) P16 2	"	"	
"	Reactor Pressure Vessel Installation (Unit 2) P16 3	"	"	
"	Safety Related Component Record Review (Unit 2) P16 4	"	"	
330/78-05-05	ITEM OF NONCOMPLIANCE INFRACTION - Storage of Components (Unit 1) P17 5b	"	"	79-22
329/78-05-05 330/78-05-06	ITEM OF NONCOMPLIANCE INFRACTION NO RESPONSE REQUIRED - Installation of Safety-Related Piping P18 1b	"	"	78-05
329/78-06-01	UNRESOLVED ITEM - Review of Quality Records for Electrical Components and Systems P2 1d(6) Ref. 78-07, 78-15, 79-18, 79-20, 79-22	Jablonski	6/7-9	79-25
329/78-06-02	UNRESOLVED ITEM - Disposition of NCR's P4 1e Ref. 78-07, 78-15, 79-18, 79-20	"	"	79-22
329/78-06 330/78-06	Observations of Work and Work Activities Electrical Components and Systems P5 2	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1978 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/78-07 330/78-07	Procedure Review and Work Observation - Setting and Leveling Reactor Pressure Vessel (RPV) - Units 1&2 P8 1	Erp/ Maxwell/ Vandel	7/19-21	
329/78-07-01 330/78-07-01	UNRESOLVED ITEM - Observation of Welding and Record Review - Safety Related Components - Units 1&2 P8 2d	"	"	79-15
329/78-07 330/78-07	Automatic Pipe Welding	"	"	
"	Review of Administrative Procedures to be Utilized by Projects-Engineering and Construction Department as Part of the Test Program - Units 1&2 P10 1	"	"	
329/78-07-02 330/78-07-02	Control of Measuring and Test Equipment - Units 1&2 P10 2a	"	"	
329/78-07-03 330/78-07-03	ITEM OF NONCOMPLIANCE INFRACTION - Upgrading of Unresolved Items 78-04-03 - Use of Uncontrolled Drawings - Units 1&2 P11 3 Ref. 79-18	"	"	79-25
329/78-08 330/78-08	General - Review of licensee's nonradiological environmental monitoring program and an examination of licensee's implementation of environmental pro- tection program.	Januska	7/17-18	
"	Program Management P2 2	"	"	
"	Construction Environmental Program Implementation P2 4	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1978 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/78-08 330/78-08	Cooling Pond P3 5	Januska	7/17-18	
"	Environmental Monitoring Program P3 6	"	"	
329/78-09 330/78-09	Reactor Coolant Pressure Boundary and Safety Related Piping - Review of QA Procedures (Units 1&2) P2 1	Lee	8/29-31	
"	Reactor Coolant Pressure Boundary and Safety Related Piping (Welding) - Review of QA Procedures (Units 1&2) P3 2	"	"	
"	Reactor Coolant Pressure Boundary (Welding) - Observation of Work and Work Activities (Unit 2) P3 3	"	"	
329/78-09-01 330/78-09-04	UNRESOLVED - Safety Related Piping - Observation of Work and Work Activities (Units 1&2) P3 4	"	"	79-03
329/78-10 330/78-10	General Information - NSSS suspension system	Yin	9/13-15	
"	Review of QA Implementing Procedures P3 2	"	"	
"	Review of BWCC Work and Inspection Procedures P4 3	"	"	
"	Review of BPC Work and Inspection Procedures P5 4	"	"	
"	Review of BPC Specifications	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1978 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/78-11 330/78-11	B&W Nondestructive Examination (NDE) Procedures P2 1	Ward	9/26-28	
"	B&W, NDE Personnel Qualification Procedures P3 2	"	"	
"	QA Audit Program P4 3	"	"	
"	B&W Personnel Certifications P4 4	"	"	
"	Radiographic Welds P4 5	"	"	
"	B&W, NDE Facilities P5 6	"	"	
329/78-12 330/78-12	50.55(e) - Settlement of Diesel Generator Foundations and Building P2 1 - For list of references, See Resident Reports 1978, item 27	Gallagher	10/24-27	
"	Review of Preliminary Data Compiled through Soil Borings in Diesel Generator Building Area P5 2	"	"	
"	Review of FSAR Commitments Versus Site Implementing Procedures P6 3	"	"	
"	Review of Specifications for Site Soils Activities P8 4	"	"	
"	Review of NRC Question No. 362.2 on FSAR Section 2.5.4.5.1 P8 5	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1978 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/78-12 330/78-12	Cracks in Concrete Structural Wall and Footing in the Diesel Generator Building P9 6	"	"	
"	Observation of Soil Testing in P9 7	"	"	
"	Diesel Generator Building and Pedestal Foundation Details F10 8	"	"	
329/78-15-01 330/78-15-01	ITEM OF NONCOMPLIANCE INFRACTION - Nonconforming Nelson Stud Welds P4 Para 5	Barrett/ Maxwell/ Nescott/ Wald	11/1-3	79-22
"	50.55(e) - Licensee Action on Decay Heat Removal Pumps, Re-Radiography P6 Para 3 & P7 1	"	"	78-15
"	Review of Design Specification for Cable Tray, Observation of Cable Tray Units 1&2 P7 2	"	"	
"	Observation of Safety Related Structures Work Activities Units 1&2 P9 1	"	"	
"	Review of Safety Related Structures Quality Records Units 1&2	"	"	
329/78-15-02 330/78-15-02	ITEM OF NONCOMPLIANCE INFRACTION - Observation of Safety Related Structures Welding Activity Units 1&2	"	"	79-25
329/78-15 330/78-15	Review of Safety Related Structures Welding Records Units 1&2 P11 4	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1978 RECORDS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/78-15 330/78-15	Review of Documentation on Recirculating Air Cooling Units P11 5	"	"	
"	Review of Babcock and Wilcox Welding Monitoring Program P12 6	"	"	
"	Review of B&W Management Audit P12 7	"	"	
329/78-15-03 330/78-15-03	UNRESOLVED ITEM - Review of the Specification for New and Spent Fuel Racks P12 8	"	"	79-29
329/78-15 330/78-15	Quality Documents - Units 1&2 P14 1	"	"	
329/78-15-04 330/78-15-04	UNRESOLVED ITEM - Class IE Cable Installation - Review of Electrical Implementation Documents P14 2 Ref. 79-02, P2	"	"	79-18
329/78-15-05 330/78-15-05	UNRESOLVED ITEM - Cable Storage P15 3	"	"	79-02
329/78-15 330/78-15	Observation of Electrical Work P15 3	"	"	
"	Record Review of Electrical Work Activities P16 4	"	"	
329/78-16 330/78-16	Reactor Coolant Pressure Boundary and Safety Rela- ted Piping - Observation of Work Activities Unit 1&2 P2 1	Lee	11/13-16	
"	Reactor Coolant Pressure Boundary Piping (Welding)	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1978 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/78-16 330/78-16	Reactor Coolant Pressure Boundary Piping - Review of	Lee	11/13-16	
	Quality Records (Unit 2)			
"	Safety Related Piping (Welding) - Observation of	"	"	
	Work Activities (units 1&2) P4 5			
330/78-16-01	DEVIATION - Material Certification - Safety Related	"	"	79-24
	Piping - Review of Quality Records (Unit 2) P5 5a			
	Ref. 79-03			
330/78-16-02	UNRESOLVED - Safety Related Piping - Review of	"	"	79-22
	Quality Records (unit 2) P5 5b			
329/78-17-01 330/78-17-01	NONCOMPLIANCE INFRACTION - Containment Building	Hansen/ Hays/ Vandel	11/7-9	
	Personnel Air Locks P3			
	Ref. NCR No. M-01-9-8-096 Dtd Nov. 9, 1978 &			
	Bechtel NCR No. 1636 Ref. 79-15, 25; 81-03, 15/16;			
	79-22			
329/78-17 330/78-17	Make-up and Purification System P3 1	"	"	
"	Component Cooling Systems P4 2	"	"	
329/78-18 330/78-18	50.55(e) - Qualification Testing of Safety	Barrett/ Maxwell	11/30- 12/1/	
	Equipment P2			
"	Quality Records for Electrical Cables and Compo-	"	"	
	nents, Raceways and Grounding Systems P3 1			
	Ref. 78-02, 04			

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1978 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/78-18 330/78-18	Quality Records for Electrical Cables & Components	Barrett, Maxwell	11/30- 12/1	
329/78-19 330/78-19	Review of BPC Specifications and Field Instruc- tions P3 1	Yin	12/13-14	
329/78-19-01 330/78-19-01	UNRESOLVED - Seismic snubbers and restraints structural attachment deviation. P4 lb(3) XXXXXXXXXX	"	"	80-11/1
329/78-19-02 330/78-19-02	UNRESOLVED - Specification does not contain provision for installing and inspecting mechanical snubbers. P5 lb(4) Ref. 80-11/12	"	"	
329/78-19-03 330/78-19-03	UNRESOLVED ITT - G documentation of the evaluations was not available for review P5 lb(5) Ref. 79-01 Ref. 80-11/12	"	"	
329/78-19 330/78-19	CPCo Non-Conformance Report (NCR) M-01-4-8-046 P5 2	"	"	
329/78-19-04 330/78-19-04	UNRESOLVED - No qualification requirements established for personnel installing grout-in bolt installation. P6 2a	"	"	82-02
329/78-19-05 330/78-19-05	UNRESOLVED - Pull Tests not performed P6 2b Ref. 79-01	"	"	82-02
329/78-19-06 330/78-19-06	UNRESOLVED - Silicone thickness greater than 1/16" over approximately 25% of the bearing surface. P6 2c	"	"	82-02

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1978 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/78-20 330/78-20	50.55(e) - Settlement of Diesel Generator Bldg.	Phillip Callagher/ Maxwell	1/4-3 1/9-11 1/22-25	
	Investigation			
"	Introduction P4 Ref. 78-12	"	"	
"	Identification and Reporting of Diesel Generator Building Settlement P4	"	"	
329/78-20-01 330/78-20-01	ITEM OF NONCOMPLIANCE - Inconsistency between design drawings and FSAR Review of PSAR/FSAR Commitments on Compacted Fill Material P6 Ref. 78-12, 79-04, 80-32/33	"	"	81-12
329/78-20-02 330/78-20-02	UNRESOLVED - Effect of Ground Water in Plant Area Fill P9 Ref. 79-04, 81-03, 80-32/33	"	"	82-02 81-12
329/78-20-03 330/78-20-03	ITEM OF NONCOMPLIANCE - Failure to Accomplish Ac- tivities Affecting Quality of Plant Area Fill in Accordance With Procedures Pgs 9-14 Ref. 79-04 80-32/33	"	"	81-12
329/78-20-04 330/78-20-04	ITEM OF NONCOMPLIANCE - Failure to Assure that Conditions Adverse to Quality are Promptly Identified and Corrected. Pgs 14-16 Ref. 79-04, 80-32/33	"	"	81-12
329/78-20-05 330/78-20-05	ITEM OF NONCOMPLIANCE - Review of Subgrade Prepar- ation for Plant Area Fill Failure to Assure that	"	"	81-12

Regulatory Commitments as Specified in the License Application are translated into Specification, etc. P16 Ref. 79-04, 80-32/

1978 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/78-20-06 330/78-20-06	ITEM OF NONCOMPLIANCE - Review of Nonconformance	Phillip Gallagher/ Maxwell	1/4-5 1/22-25	81-12
	Reports Identified for Plant Area Fill - Failure			
	to assure that the cause of conditions adverse to			
	quality are identified and that corrective action			
	be taken to preclude repetition Pgs. 17-20			
	Ref. 79-04, 80-32/33			
329/78-20-07 330/78-20-07	ITEM OF NONCOMPLIANCE Review of Calculations of Settlement for Plant	"	"	81-12
	Area - Measures did not assure that specific			
	design bases, included in design documents were			
	translated into the license application resulting			
	in inconsistencies between design documents and			
	the FSAR P20 Ref. 79-04, 80-32/33			
329/78-20 330/78-20	Review of Settlement of Administration Building	"	"	
	Footings P21			
329/78-20-07 330/78-20-07	ITEM OF NONCOMPLIANCE - Review of Interface	"	"	81-12
	Between Diesel Generator Bldg. Foundation and			
	Electrical Duct Banks P23 Ref. 79-04, 80-32/33			
329/78-20-08 330/78-20-08	ITEM OF NONCOMPLIANCE - Review of Soils Placement	"	"	81-12
	and Inspection Activities for Plant Area Fill -			
	Soils activities were not accomplished under the			
	continuous technical supervision in accordance			
	with Bechtel design criteria Pgs. 24-26			
	Ref. 80-32/33			
329/78-20-09 330/78-20-09	ITEM OF NONCOMPLIANCE Review of Inspection Procedures Pgs 26-29	"	"	81-12
	Ref. 79-04, 79-06, 78-13, 80-32/33			

1979

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1979 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/79-01-01 330/79-01-01	UNRESOLVED ITEM - Observation of Hanger Installation	Yin	2/5-8	
	Measures to determine acceptable welding across the			
	beam flange not a part of approved design and review			
	procedures. P3 1c			
329/79-01-02 330/79-01-02	UNRESOLVED ITEM - Hanger Drawing Review - Contra-	"	"	
	diction with field weld symbols. P4 2a&b			
329/79-01-03 330/79-01-03	UNRESOLVED ITEM - Weld Cracks on Pipe Rupture	"	"	80-11/12
	Restraints - Overall Problem Not Documented in			
	NCR's P4 3a Ref. 79-12 P3a			
329-79-01-04 330/79-01-04	UNRESOLVED ITEM - Weld Cracks on Pipe Rupture	"	"	80-11/12
	Restraints - WPS That Produced Cracked Welds			
	Basically Unchanged P4 3b			
329/79-01-05 330/79-01-05	UNRESOLVED ITEM - Weld Cracks on Pipe Rupture	"	"	80-11/12
	Restraints - New Cracks Identified in the Base			
	Metal P5 3c			
329/79-01-06 330/79-01-06	UNRESOLVED ITEM - Weld Cracks on Pipe Rupture	"	"	80-11/12
	Restraints - No Attempt to Determine Acceptance of			
	25 Welds Produced Using Weld Buttering and a Higher			
	Pre-heat Temp. or to Study Effects of Residual			
	Stress P5 3d			
329/79-02-01 330/79-02-01	UNRESOLVED 50.55(e) - Potentially Inadequate	Barrett/ Hansen	2/6-9	80-15/16
	Qualification Testing of Safety Related Equipment			
	P1			

1979 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/79-02-02 330/79-02-02	UNRESOLVED ITEM - Observation of Electrical Work	Barrett/ Hansen	2/6-9	79-18
329/79-02 330/79-02	Review of Electrical Documentation P6 2	"	"	
329/79-03 330/79-03	Reactor Coolant Pressure Boundary Piping - Welding Material Control (Unit 2) P2 1	Lee	2/20-23	
"	Reactor Coolant Pressure Boundary Piping - Obser- vation of Welding Activities (Unit 2) P3 2	"	"	
"	Reactor Coolant Pressure Boundary Piping - Visual Examination of Welds (Unit 2) P3 3	"	"	
"	Reactor Coolant Pressure Boundary Piping - Weld Heat Treatment (Unit 2) P4 4	"	"	
"	Reactor Coolant Pressure Boundary Piping - Welder Qualification (Unit 2) P4 5	"	"	
"	Safety Related Piping - Observation of Work (Unit 1) P5 6	"	"	
"	Safety Related Piping - Welding Material Control (Units 1&2) P5 7	"	"	
"	Safety Related Piping - Observation of Welding Activities (Units 1&2) P6 8	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1979 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/79-03 330/79-03	Safety Related Piping - Visual Examination of Welds (Units 1&2) P6 9	Lee	2/20-23	
"	Safety Related Piping - Weld Heat Treatment (Units 1&2) P7 10	"	"	
"	Safety Related Piping - Welder Qualification (Units 1&2)	"	"	
329/79-04 330/79-04	Special announced inspection meeting with corporate management to review Midland project status, the settlement of diesel generator building, inform of changes in organization of RIII and to confirm commitments regarding continuing QA/QC coverage for Midland project.	Keppler & Staff	2/7	
329/79-05 330/79-05	50.55(e) - ITT-Grinnell - Apparent Undersized Hanger Welds P2	Yin	5/5	
329/79-05-01 330/79-05-01	UNRESOLVED ITEM - Review of ITT-Grinnell Procedures for Hanger Calculations P3 1	"	"	80-11/12
329/79-05-02 330/79-05-02	UNRESOLVED ITEM - Review of ITT-Grinnell Original Calculations P3 2	"	"	
329/79-05-03 330/79-05-03	UNRESOLVED ITEM - Design Interface Between ITT- Grinnell and BAPC P3 3	"	"	
329/79-05-04 330/79-05-04	UNRESOLVED ITEM - Review of MCAR-18 P4 4	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1979 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/79-06 330/79-06	50.55(a) - Settlement of Plant Area Fill and Structures P2 Ref. 79-09, 78-13-03, etc.	Gallagher	3/28-29	
"	Status of Diesel Generator Building Settlement P3 1	"	"	
"	Soil Borings in Progress P3 2	"	"	
"	Ground Water Levels in Plant Area Fill P5 3	"	"	
"	Profiles of Underground Piping P5 4	"	"	
"	Crack Mapping and Strain Gauge Measurements P6 5	"	"	
"	CPCo Investigation of Possible Causes of the Plant Area Fill Settlement P6 6	"	"	
"	Planned Activities - to identify the quality of subsurface materials P7 7	"	"	
329/79-07 330/79-07	Examined the implementation of licensee's preoperational radiological and nonradiological environmental monitoring programs and environmental protection program for construction. P2 2	Oestmann	4/26-27	
"	Management Controls P2 3	"	"	
"	Implementation of the Radiological Environmental Monitoring Program P3 4	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1979 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/79-07 330/79-07	Implementation of Preoperational Nonradiological Environmental Monitoring Program P4 5	Oestmann	4/26-27	
"	Cooling Pond P4 6	"	"	
"	Implementation of the Meteorological Monitoring Program P5 7	"	"	
"	Implementation of Environmental Protection During Construction P5 8	"	"	
329/79-10-01 330/79-10-01	ITEM OF NONCOMPLIANCE INFRACTION - Review of FSAR Containment Prestressing System Commitments (Units 1&2) Inconsistencies between design documents and FSAR P3 1	Gallagher/ Lee	5/14-17	79-19
329/79-10-03 330/79-10-03	Review of QC Inspector Qualifications for Containment Prestressing System Work Activities (Units 1&2) P4 2 Ref. 79-19-01, 79-22, 80-01, 79-23, 79-28	"	"	
329/79-10-02 330/79-10-02	UNRESOLVED ITEM - Review of Quality Records for Containment Prestressing System (Unit 2) P4 3b Ref. 79-19	"	"	79-22
329/79-10 330/79-10	Observation of Containment Prestressing System (Unit 2) P5 4	"	"	
"	Status of Safety Related Soils Work Activities P6 5	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1979 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/79-10 330/79-10	Review of Procedure and Observation of Testing Concrete Expansion Anchors P7 6	Gallagher/ Lee	5/14-17	
"	Reactor Coolant Pressure Boundary Piping - Observa- tion of Work and Work Activities (Unit 2) P10 1	"	"	
"	Safety Related Piping - Observation of Work and Work Activities (Unit 2) P10 2	"	"	
"	Safety Related Piping - Observation of Welding Activities (Units 1&2) P10 3	"	"	
"	Reactor Coolant Pressure Boundary Piping - Special Welding Applications (Unit 2) P11 4	"	"	
"	Safety Related Piping - Weld Heat Treatment (Units 1&2) P11 5	"	"	
"	Reactor Coolant Pressure Boundary and Safety Related Piping - Welder Qualification (Units 1&2) P11 6	"	"	
329/79-11 330/79-11	Investigation of Damage to Electrical Wires in Control Room Panels. P2	Creed	5/7-8	
"	Conclusions - Wires intentionally cut by unknown persons. Licensee has taken action to prevent fur- ther vandalism. QC programs should be able to dis- cover damage not known at this time. P3	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1979 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/79-11 330/79-11	Description of Incident P4 2	Creed	5/7-8	
"	Licensee Action P5 3	"	"	
329/79-12 330/79-12	Site Audits - Conducted by CPCo Site QA P4 1	Barrett/ Gaido/ Maxwell/ Hansen	5/8-11	
329/79-12-01 330/79-12-01	ITEM OF NONCOMPLIANCE - Site Audits - Conducted by Bechtel Site QA P5 2 Ref. 79-18	"	"	
329/79-12 330/79-12	Corporate Audits - Conducted by CPCo P7 3	"	"	
"	Overview Inspection Program P9 Ref. 79-04	"	"	
"	Design Development, Modification and Control P15 1	"	"	
329/79-12-02 330/79-12-02	UNRESOLVED - Architectural Engineering Design Controls P16 2	"	"	81-12
329/79-12 330/79-12	Control of Purchased Material - Review of Receiving Inspection Procedures P18 1	"	"	
329/79-12-03 330/79-12-03	ITEM OF NONCOMPLIANCE - Review of Receiving Inspection Implementation - Inadequate Control of Purchased Material P19 2b(1)	"	"	80-15/16
329/79-12-04 330/79-12-04	UNRESOLVED - "Graphoil" and "John Crane" packing undocumented P21 2b(2) Ref. 80-15/16	"	"	82-02

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1979 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/79-12-05 330/79-12-05	UNRESOLVED ITEM - Seat Leakage Test P23 2c(1)(b) Ref. 79-20, 80-30/31	Barrett/ Naidu/ Maxwell/ Hansen	5/8-11	
329/79-12-06 330/79-12-06	UNRESOLVED ITEM - Valve Temperature Specification P23 2c(2) Ref. 79-20	"	"	80-30/3
329/79-12-07 330/79-12-07	UNRESOLVED ITEM - Environmental and Seismic quali- fications Unavailable P23 2c(3)	"	"	79-20
329/79-12-08 330/79-12-08	UNRESOLVED ITEM - Review of HVAC Activities - Unclear Specifications Which Do Not Adequately Translate Design Requirements P25 3a Ref. 79-20, 80-30/31	"	"	
329/79-12-09 330/79-12-09	ITEM OF NONCOMPLIANCE - DEFICIENCY - Review of HVAC Activities - Inadequate Control of Special Processes P25 3b	"	"	79-22
329/79-12-10 330/79-12-10	UNRESOLVED - Review of Audits on Zack - Deficiencies Relative to Compliance With QA Manual P25 3c Ref. 79-20	"	"	80-15/1
329/79-12 330/79-12	Observation of Midland Welding Demonstration at Ohio State University, Columbus, Ohio P26 Ref. 78-03	"	"	
329/79-14 330/79-14	Investigation concerning reported plugging of a containment building spray system pipe.	Creed	6/12-14 & 7/3	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1979 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/79-14 330/79-14	Introduction - Reason for Investigation - Summary	Creed	6/12-14 & 7/3	
"	Conclusions - Does not appear that the act of wadding the paper was done in order to disable the safety-related containment spray system, but more as a shortcut to complete the weld P3	"	"	
"	Description of Incident P5 2	"	"	
"	Incident Reporting and Documentation P4	"	"	
329/79-14-01 330/79-14-01	ITEM OF NONCOMPLIANCE INFRACTION - Failure to Follow Welding Procedure P8 4	"	"	80-15/1
329/79-17 330/79-17	Reactor Coolant Pressure Boundary Piping - Observation of Welding Activities (Unit 1) P2 1	Lee	6/16-28	
"	Reactor Coolant Pressure Boundary Piping - Weld Heat Treatment (Units 1&2) P2 2 Ref. 79-03	"	"	
330/79-17-01	UNRESOLVED ITEM - Postweld Heat Treatment - Records indicated temperature range at holding exceeded range specified in the welding procedure P3 2b(3) Ref. 79-22, 80-01	"	"	79-22 80-01
329/79-17 330/79-17	Reactor Coolant Pressure Boundary Piping - Welder Qualification (Unit 1) P4 3 Ref. 80-01	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1979 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/79-17 330/79-17	Safety Related Piping - Observation of Welding Activities (Units 1&2) P4 4	Lee	6/26-28	
329/79-17-01 330/79-17-02	UNRESOLVED ITEM - Safety Related Piping - Welder Qualification (Units 1&2) - Welders Qualification Records P5 5b Ref. 79-03, 79-22	"	"	80-01
329/79-18 330/79-18	Observation of Installed 4.16KV Switchgear P4 1	Naidu/ Maxwell	8/21-23	
329/79-18-01 330/79-18-01	UNRESOLVED ITEM ESCALATED TO ITEM OF NONCOMPLIANCE #79-20-01 - Review of Quality Records - Quality records relative to the installation of 4.16KV switchgear P4 2f	"	"	79-20
329/79-18-02 330/79-18-02	ITEM OF NONCOMPLIANCE INFRACTION - Observation of Work Activities - Installed equipment inadequately protected from welding activities P5 3a	"	"	80-15/1
329/79-18-03 330/79-18-03	UNRESOLVED ITEM - Electrical Cable Installation - Make-up Pump Motor 2P58B P6 4d(4)	"	"	79-25
329/79-19 330/79-19	50.55(e) - Prestressing Tendons - Containment Prestressing System (Unit 2) P3 1	Gallagher	9/11-14	80-01
329/79-19-01 330/79-19-01	ITEM OF NONCOMPLIANCE INFRACTION - Qualifications of QC Inspectors for Prestressing Work Activity P4 1c Ref. 79-10, 79-28, 80-01, 79-23, 79-22	"	"	80-09

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1979 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSE
329/79-19 330/79-19	50.55(e) - Soil Settlement - Review of Site Soils and Settlement P8 2	Gallagher	9/11-14	
329/79-19-02 330/79-19-02	ITEM OF NONCOMPLIANCE - INFRACTION - Backfilling Procedure P8 2a	"	"	80-04
329/79-19 330/79-19	50.55(e) - Concrete Expansion Anchors P9 3	"	"	
329/79-20-01 330/79-20-01	NONCOMPLIANCE - INFRACTION (Previously #79-18-01) Quality records relative to the installation of 4.16KV switchgear P5 1st para Ref. 79-18-01, 79-23	Naidu	9/18-20	80-15/1
329/79-20 330/79-20	Observation of Installed Equipment P5 1	"	"	
"	Review of Quality Records P6 2 Ref. 78-06	"	"	
329/79-21-01 330/79-21-01	UNRESOLVED ITEM - Pending approval of ASME Section XI, 1977 Edition, Summer 1978 Addenda. P2 1	Ward	9/25-27	
329/79-22 330/79-22	ASME Certification P7 1	Gallagher/ Naidu/ Lee/ Vandel	10/10-12	
"	Reactor Coolant Pressure Boundary and Safety Related Piping - Review of Quality Records P7 2	"	"	
"	Reactor Coolant Pressure Boundary Piping - Observa- tion of Welding Activities P7 3	"	"	
"	Reactor Coolant Pressure Boundary Piping - Visual Examination of Welds P7 4	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1979 RECORDS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/79-22 330/79-22	Reactor Coolant Pressure Boundary Piping - Welder Qualification (Unit 2) P8 5 Ref. 79-17	Gallagher/ Walden/ Lee/ Vandel	10/10-12	
329/79-22-01 330/79-22-01	UNRESOLVED ITEM - Escalated to Deviation in 80-01 P3 Safety Related Piping - Observation of Work and Work Activities (Units 1&2) - Installed Pipe Run P9 6a Ref. 80-01, 80-20, 21, 81-03, 81-06	"	"	80-01
329/79-22 330/79-22	Safety Related Piping - Observation of Welding Activities (Unit 2) P9 7	"	"	
"	Safety Related Piping - Special Welding Applica- tions (Units 1&2) P10 8	"	"	
330/79-22-02	ITEM OF NONCOMPLIANCE - INFRACTION - Control of Welding Materials (Unit 2) - Two portable ovens containing E-7018 welding rods were not energized. P10 9	"	"	80-01
329/79-22 330/79-22	Observation of Electrical Activities P11 1	"	"	
"	Review of QA Records P12 2	"	"	
"	Qualifications of QC Inspectors for Prestressing Work Activity P14 1 Ref. 79-19-01, 80-01, 79-21	"	"	
329/79-23 330/79-23	Meeting in Glen Ellyn to discuss qualifications of Personnel inspecting the containment post-tension- ing system Ref. 79-28, 79-22, 79-19-01	Fiorelli & Staff	10/25	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1979 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/79-24 330/79-24	Reactor Coolant Pressure Boundary Piping - Observation of Work and Work Activities (Unit 2) P2 1	Lee	10/31 to 11/2	
329/79-24-01 330/79-24-01	UNRESOLVED ITEM - Reactor Coolant Pressure Boundary Piping - Welding Material Control (Units 1&2) P2 2	"	"	80-01
329/79-24 330/79-24	Reactor Coolant Pressure Boundary Piping - Observation of Welding Activities (Unit 2) P3 3	"	"	
"	Reactor Coolant Pressure Boundary Piping - Observation of NDE Work Activities (Unit 2) P4 4	"	"	
"	Reactor Coolant Pressure Boundary Piping - Weld Heat Treatment (Unit 1) P4 5	"	"	
"	Reactor Coolant Pressure Boundary Piping - Welder Qualification (Units 1&2) P5 6 Ref. 79-17	"	"	
"	Reactor Coolant Pressure Boundary Piping - Special Welding Applications (Units 1&2) P5 7	"	"	
329/79-24-02	UNRESOLVED ITEM - Safety Related Piping - Observation of Work and Work Activities (Units 1&2) P5 8a	"	"	81-02
329/79-24 330/79-24	Safety Related Piping - Observation of Welding Activities (Unit 2) P6 9	"	"	
329/79-25 330/79-25	50.55(e) - B&W Prototype testing - considered to be resolved P5 1	Barrett, Ford/ Maxwell Vandel	11/19-21 11/28-30	79-25

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1979 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/79-25		Barrett/	11/19-21	
330/79-25	50.55(e) - Unit 2 Containment Liner Plate Bulge	ErB Maxwell/ Vander	11/28-30	
	Repair P5 2			
"	50.55(e) - Personnel Airlocks Cracked Welds P5 3	"	"	
"	50.55(e) - Unit 1 Reactor Pressure Vessel Broken	"	"	
	Anchor Bolt P5 4 Ref. 80-05, 79-25, 80-08, 80-12/13,			
	80-16/17, 80-22/23, 80-13/14, 80-14/15, 80-9/10,			
	80-18/19, 80-26/27			
"	Bulletin 79-15 - Deep Draft Pump Deficiencies -	"	"	
	None used at Midland Site P6			
"	Missile Effects on Raceway P7 1	"	"	
"	Cable Raceway Modification and Loading P8 2	"	"	
"	Observation of Electrical Equipment, Stored In-Place	"	"	
	P8 3			
"	Personnel Attitudes P9 4	"	"	
329/79-25-01				
330/79-25-01	UNRESOLVED ITEM - Violation of minimum 6" separation	"	"	81-12
	P9 5b Ref. 80-30/31, 80-15/16			
"	Records of Repair on Containment Liner, Unit 2 P11 1	"	"	
"	Reactor Pressure Vessel Internals Fit Up Unit 2	"	"	
	P11 2			

1980

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1980

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/80-01 330/80-01	Reactor Coolant Pressure Boundary Piping - Welding Material Control (Units 1&2) P4 1	Gallagher/ Naidu/ Vandel	1/8-11	
"	Reactor Coolant Pressure Boundary Piping - Observa- tion of Work Activities (Unit 2) P4 2	"	"	
"	Reactor Coolant Pressure Boundary Piping - Observa- tion of NDE Activities (Unit 1) P6 5	"	"	
"	Reactor Coolant Pressure Boundary Piping - Visual Examination of Welds (Unit 1) P5 3	"	"	
329/80-01-01 330/80-01-01	ITEM OF NONCOMPLIANCE - INFRACTION - Reactor Coolant Pressure Boundary Piping - Welder Qualification (Units 1&2) P5 4b Ref. 79-17,	"	"	80-20/21
329/80-01 330/80-01	Safety Related Piping - Observation of Welding Activities (Unit 1) P6 6	"	"	
330/80-01-02	ITEM OF NONCOMPLIANCE - DEFICIENCY - Review of Quality Control Inspection Record (Unit 2) P6 7	"	"	82-04 80-20/21
329/80-01-02 330/80-01-03	DEVIATION - Design Changes Made After Completion of Work Activities (Units 1&2) P6 8 Ref. 79-22, 80-20/21, 81-03, 81-06, 81-21, 81-16	"	"	
329/80-01-03 330/80-01-04	UNRESOLVED ITEM - Review of Quality Assurance Implementing Procedures For Instrumentation Units 1&2 PR 1d(4) - No specific requirement to verify conformance with separation criteria. Ref. 81-11,81-15/16,	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1980 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/80-01-04 330/80-01-05	UNRESOLVED ITEM - Review of Quality Assurance Implementing Procedures for Instrumentation Units I&2 - Specification formula does not consider displacement P9 1f	Gallagher/ Naidu/ Vee/ Vandel	1/8-11	82-02
329/80-01-06 330/80-01-07	UNRESOLVED ITEM - Licensee to provide additional information regarding flame retardance requirements. P10 3c(3) Ref. 80-30/31	"	"	82-03
329/80-01-05 330/80-01-06	UNRESOLVED ITEM - Separation criteria not met (Instrument Tubing) P9 2	"	"	80-06 80-15/1
329/80-01 330/80-01	Containment Prestressing System (Unit 2) - Procedures P12 1a	"	"	
"	Qualification of QC Inspectors for Prestressing Work P13 1b Ref. 79-10, 79-19, 79-22, 79-23, 79-18	"	"	
329/80-01-07 330/80-01-08	UNRESOLVED ITEM - Calibration of Prestressing System Jacks and Gauges P14 1c(1)	"	"	80-25 80-26
329/80-01 330/80-01	Prestressing Gauges P15 1c(2)	"	"	
"	Closure of Reportable 50.55(4) on Tendon Lengths P16 1e Ref. 79-19	"	"	80-01
"	Exit Interview - Inspectors emphasized need for improvement of Bechtel's QA records Ref. 79-17-01 P17	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1980 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/80-02 330/80-02	Meeting in Jackson to discuss construction matters requiring resolution before issuance of an operating license; to discuss the NRC inspection program as it relates to Preoperational Testing and Power Ascension Program and to obtain an understanding of CPCo's program for staffing, startup and operation of Midland Facility.	Keppler & Staff	1/11	
329/80-03 330/80-03	Functional or Program Areas Inspected - General P2 1 Ref. 79-20/21	Ward	1/28-30	
"	Review of Preservice Procedures/Manuals P3 2	"	"	
"	Observation of Work and Work Activities P5 3	"	"	
"	Review of Data Reports and Audits P5 4	"	"	
"	B&W NDE Personnel Certifications P5 5	"	"	
"	Material Certifications P6 6	"	"	
"	Independent Inspection P6 7	"	"	
329/80-04 330/80-04	Containment Prestressing System (Unit 2) - Prestressing System Work Activities P2 1a	Gallagher	2/12-15	
"	Prestressing System Material Records P3 1b	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1980 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/80-04 330/80-04	Review of Nonconformance Reports P3 lc Ref. 80-01	Gallagher	2/12-15	
329/80-04-01 330/80-04-01	UNRESOLVED ITEM - Review of Quality Records P4 ld(2)	"	"	80-25/2
329/80-04 330/80-04	50.55(e) - Status of Soil Settlement Monitoring	"	"	
329/80-05 330/80-05	50.55(e) - Unit 1&2 Holddown bolts - Inspection at Midland Plant P3 1 Ref. 79-25, 80-05, 80-08, 80-12/13, 80-16/17, 80-26/27, 80-22/23, 80-13/14, 80-14/15, 80-9/10, 80-18/19	Erb/ Vandel	2/4-5	
"	50.55(e) - Trip to Southern Bolt P5 2	"	"	
329/80-06 330/80-06	Observation of Installed Cables P3 1	Naidu	2/26-28	
"	Review of Surveillances on Instrument Tubing Installation P4 2	"	"	
329/80-07 330/80-07	Investigation into allegations concerning the construction of the two borated water storage tanks by Graver Energy Systems, Inc. at Midland Ref. 80-9/10 80-12/13, 80-27/28, 81-02, 81-06, 80-20/21	Weil/ Ward	3/3-4	
"	Reason for Investigation & Summary of Facts P2	"	"	
"	Receipt of Allegation from Individual 'A' P3 2	"	"	
"	Findings P4 - No major findings or discrepancies	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1980 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/80-07 330/80-07	Receipt of Additional Allegation P5 3	"	"	
"	Findings - The matter has been brought to the attention of RIII for inclusion in future inspections.	"	"	
	P6			
330/80-09	Meeting held in Glen Ellyn 3/17/80 to discuss licensee's program to perform a reinspection of selected Unit 2 containment prestressing system components. P2 1 Ref. 79-23	Gallagher	3/25-27	
"	Closure of Item of Non-compliance 79-19-01 - Qualification of QC Inspection Personnel P3 2	"	"	
330/80-09-01	Reinspection of Selected Tendons - Tendon Not Seating Properly Upon Restressing P3 2c(2)	Gallagher	3/25-27	80-25/26
329/80-10 330/80-11	Investigation concerning Allegations - ZACK (Report can be located in Zack file) Ref. 80-12/13 <i>Closed 80-10/11-02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18</i> <i>See Rpt # 5275 for Items of Noncompliance closed</i>			
329/80-11-01 330/80-12-01	UNRESOLVED ITEM - Primary Loop Pipe Whip Restraints Underdesign P3 1a	Yin	4/30-5/2	
329/80-11-02 330/80-12-02	UNRESOLVED ITEM - Bolt Design Specification, Procurement Specification, Qualification Test Requirements P4 1b	"	"	
329/80-11-03 330/80-12-03	UNRESOLVED ITEM - Observation of Work and Conditions Washer-spacers between the Ball Bushing and Bracket Not Installed on MK P4 2c(4)	"	"	81-01

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1980 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/80-13 330/80-14	Investigation regarding the procurement and manufacture of reactor vessel holddown studs. Ref. 79-25, 80-05, 80-08, 80-12/13, 80-16/17, 80-22/23, 80-13/14, 80-14/15, 80-9/10, 80-18/19, 80-26/27	Foster/ Erb	2/27 to 5/2	
"	Reason for Investigation & Summary of Facts P3 Ref. 80-05	"	"	
"	Introduction - Scope - Technical Background P6	"	"	
"	Review of FSAR P7 5	"	"	
329/80-13-01 330/80-14-01	NONCOMPLIANCE - INFRACTION - Manufacture of Holddown Studs - Failure to properly characterize studs P9 6b	"	"	
329/80-13-01U 330/80-14-01U	UNRESOLVED - ASME Section III not cited in purchase specifications P0b	"	"	
329/80-13-02 330/80-14-02	ITEM OF NONCOMPLIANCE - INFRACTION - Heat Treatment - Items procured without reference to ASME Section III P10 6d P11 6d P12 6d P12 6e P14 6f	"	"	
329/80-13-03 330/80-14-03	ITEM OF NONCOMPLIANCE - INFRACTION - Quality Assurance Review P13 6f	"	"	
329/80-13 330/80-13	Installation P15 7	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1980 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/80-13 330/80-13	Identification of Problems P15 8	Foster/ Erb	2/27 - 5/2	
"	Consultant Review P15 9	"	"	
"	Management Meeting P15 10	"	"	
329/80-14 330/80-15	50.55(e) - Meeting conducted in Glen Ellyn to discuss the Midland RV holddown anchor bolt failures Ref. 70-25, 80-05, 80-08, 80-12/13, 80-16/17, 80-22/23, 80-13/14, 80-9/10, 80-18/19, 80-26/27, 80-15/16	Keppler & Staff	5/2	
329/80-15 330/80-16	Licensee Deficiency Reports Review (50.55(e) Items) Reactor Pressure Vessel Anchor Bolt Problem (Unit 1) For list of references see Report No. 80-14/15	Erb/ Naidu/ Sutphin/ Vande	6/2-5	
"	Personnel Airlocks Weld Cracking P5	"	"	
"	Air Filtering Units P5	"	"	
"	I-E Bulletins and Circulars Review Review of Action Taken on IE Bulletins	"	"	
"	Review of Action Taken on IE Circulars	"	"	
"	Electrical Penetrations P7			
329/80-15-01 330/80-16-01	UNRESOLVED ITEM - Review of Quality Records P9(1b) Ref. 80-30/31	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1980 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/80-15 330/80-16	Records on Trial Fit of Internal Core Support Assembly - Unit 1 P10(1)	Erb	6/2-5	
329/80-15-02 330/80-16-02	UNRESOLVED ITEM - Records on In-Core Tubing and Supports and Setting Steam Generator - Unit 2 (Independent hardness checks of installed steam generator bolts revealed that some bolts were above the specified hardness range) P10(2b)	"	"	82-16
329/80-15 330/80-16	Records on Setting Pressurizer P11(3)	"	"	
"	Pressurized Water Storage Tanks - Units 1&2 P11(4)	"	"	
329/80-15-03 330/80-16-03	50.55(a) UNRESOLVED ITEM - Pipe Restraint Bolts P11(5)	"	"	82-16 82-15
329/80-17-01 330/80-17-01	UNRESOLVED ITEM - Licensee Action on IE Bulletin 80- 08 P2	Ward	6/17-18 8/12-13	80-27/28
329/80-17 330/80-18	Functional or Program Areas Inspected P3(1) Ref. 79-20/21, 80-03, 80-07	"	"	
"	Review of Revised PSI Procedure P3 2 Ref. 79-20/21, 80-03	"	"	
"	Material Certifications P4 3	"	"	
"	(NDE) Personnel Certifications P4 4	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1980 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/80-17 330/80-18	Observation of Work and Work Activities P4 5	Ward	6/17-18 8/12-13	80-27/
"	Review of Data Reports and Audits P5 6	"	"	
329/80-17-02 330/80-18-02	UNRESOLVED ITEM - Independent Inspection - Graver Radiographs P5 7a Ref. 80-07, 80-27/28, 81-02, 81-06, 80-20/21, 81-21, 81-16, 82-04, 82-12	"	"	82-16
329/80-17-03 330/80-18-03	UNRESOLVED ITEM - Bechtel Purchased Pipe from Grinnel P6 7c	"	"	80-27/2
329/80-20 330/80-21	Reactor Coolant Pressure Boundary Piping - Observa- tion of Work and Work Activities (Unit 2) P2 1	Lee	7/8-10	
"	Reactor Coolant Pressure Boundary Piping - Welding Material Control (Units 1&2) P3 2	"	"	
"	Reactor Coolant Pressure Boundary Piping - Obser- vation of Welding Activities (Units 1&2) P3 3	"	"	
"	Reactor Coolant Pressure Boundary Piping - Welder Qualification (Units 1&2) P4 4 Ref. 80-01	"	"	
329/80-20-01 330/80-21-01	ITEM OF NONCOMPLIANCE - INFRACTION - Safety Related Piping - Welding Material Control (Failure to specify applicable code in a purchase order) P4 5 Ref. 80-28/29	" -	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1980 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSE
329/80-20 330/80-21	Safety Related Piping - Observation of Welding Activities (Unit 1) P5 6	"	"	
"	Safety Related Piping - Observation of NDE Activities (Unit 1) P5 7	"	"	
329/80-20-02 330/80-21-02	UNRESOLVED ITEM - Safety Related Water Storage Tanks Fabricated by Graver Company - Tank No. 1T-60- lack of fusion may exist P6 8b Ref. 80-07, 80-27/28, 81-02, 81-06, 80-9/10, 80-12/13, 80-20/21	"	"	81-06
329/80-23 330/80-24	Construction Schedules P2 1	Sutphin	8/19-22	
"	Part 21 Items P2 2	"	"	
329/80-23-03 330/80-24-03	New CPCo QA Organization P3 3	Sutphin	8/19-22	
"	Zack Company Status P3 4	"	"	
"	50.55(e) - Unit 2 Containment Rebar Spacing P3 5 Ref. 75-01, 75-02, 75-03	"	"	75-03
"	50.55(e) - Unit 2 Containment Fire P3 5 Ref. 76-01	"	"	76-01
"	50.55(e) - Missing Rebar P3 5 Ref. 76-05	"	"	76-05
329/80-24 330/80-25	Examination of the licensee's pre-operational radio- logical and nonradiological environmental monitor- ing Programs, construction phase environmental protection program and their implementation P2 2	Greer	8/26-27	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1980 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSE
329/80-24 330/80-25	Environmental Program Management P2 3	Greer	8/26-27	
329/80-24-01 330/80-25-01	UNRESOLVED - Radiological Environmental Monitoring Program P2 4 Ref. '9-07	"	"	
"	Non-radiological Environmental Monitoring Program P3 5	"	"	
"	Meteorological Monitoring Program P3 6	"	"	
"	Environmental Protection P3 7	"	"	
329/80-25 330/80-26	Containment Prestressing System P3 1	Gallagher/ Landsman	8/27-29	
"	Meeting on Soils Issue at CPCo Office	"	"	
329/80-27 330/80-28	Licensee Action on IE Bulletin 80-08 P3 Ref. 80-17/18-01	Ward	9/23-24	
"	Procedure and Manual Review P3 2	"	"	
"	Material and Equipment Certification P6 3	"	"	
"	NDE Personnel Certifications P7 4	"	"	
"	Observation of Work and Work Activities P7 5	"	"	
"	Review of Data Reports and Audits P8 6	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1980 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSE
329/80-27-01 330/80-28-01	Independent Inspection - Allegations - Allegation 1 - Radiographic location markers removed from piping systems for inservice inspection not replaced accurately. P8 7	Ward	9/23-24	80-27/2
"	Conclusion - Allegation substantiated - Item Closed	"	"	
329/80-27-02 330/80-28-02	Independent Inspection - Allegations - Allegation 2 - Radiographer used wrong source P9 7 Ref. 81-02, 81-21, 81-16	"	"	80-27/2
"	Conclusion - Allegation not substantiated P9 7 Ref. 81-02, 81-21, 81-06, 81-16	"	"	
329/80-27-03 330/80-28-03	Independent Inspection - Allegations - Allegation 3 - Field radiographs do not meet the required geometric unsharpness P9 7 Ref. 81-02, 80-07, 80-9/10, 80-12/13, 81-06, 80-20/21, 81-21, 81-16	"	"	81-06
"	Conclusion - Allegation substantiated - B&W issued NCR Ref. 81-02, 81-06, 81-21	"	"	
329/80-27-04 330/80-28-04	<i>Allegations</i> Independent Inspection - Allegations - Allegation 4 - Management instructed radiographer to trim film to eliminate "bad" shop weld. P10 7 Ref. 81-02 81-16, 82-04, 82-12, 82-16	"	"	82-16
"	Conclusion - Allegation not substantiated P10 7 Ref. 81-02, 81-21	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1980 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSE
329/80-28 330/80-29	50.55(e) - ITT Grinnell Feedwater Pipes - Closed	Lee	9/23-25	999000
	P2 Ref. IE Report No. 99900019/80-01 (RIV)			19/80-0
"	IE Bulletin 79-94 Closed			
"	Reactor Coolant Pressure Boundary Piping - Welding	"	"	
	Material Control (Units 1&2) P3 1			
"	Reactor Coolant Pressure Boundary Piping - Obser-	"	"	
	vation of Welding Activities (Unit 1) P3 2			
330/80-29-01	ITEM OF NONCOMPLIANCE INFRACTION - NO RESPONSE REQ	"	"	80-29
	Reactor Coolant Pressure Boundary Piping - Visual			
	Examination of Welds (Bypass of an inspection hold			
	point) (Unit 2) P4 3			
329/80-28 330/80-29	Reactor Coolant Pressure Boundary Piping - Welder	"	"	
	Qualification (Units 1&2) P4 4 Ref. 80-20/21			
"	Relocation of Pressurizer Level Sensing Nozzles	"	"	
	(Unit 2) P5 5			
"	Reactor Coolant Pressure Boundary Piping - Observa-	"	"	
	tion of NDE Activities (Unit 1) P5 6			
"	Reactor Coolant Pressure Boundary Piping - Obser-	"	"	
	vation of Work and Work Activities (Unit 2) P5 7			

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1980 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSE
329/80-28 330/80-29	Safety Related Piping - Observation of Welding Activities (Units 1&2) P6 8	"	"	
"	Safety Related Piping - Observation of NDE Activities (Unit 2) P6 9	"	"	
329/80-30 330/80-31	IE Bulletins Closed - 75-03, 75-06, 76-02, 76-03, 76-05, 77-01, 77-02, 77-05 & 05A, 78-05, 79-01, 79-09, 79-11, 79-23 P6	Naidu/ Sutphin	10/7-10- 10/15-17 10/20-23	
"	Review of Licensee Action Taken on IE Bulletins Re-Identified For Action by NRC Division of Licen- sing, Sept. 4, 1980 - Reopened Bulletin 79-21 Reopened Bulletin 80-06 P7	"	"	
"	Review of Licensee Action Taken on IE Circulars Open - 76-02, 77-06, 79-02, 79-17, 79-20, 77-16, 78-08 Closed 77-09, 78-18, 79-23 P8	"	"	
"	CPCo Quality Assurance Organization P10 1a	"	"	
"	Construction Schedules P10 1b	"	"	
"	UNRESOLVED ITEM On-Site Design Activity P10 1c	"	"	81-01
"	50.55(e) - Personnel Air Locks P11 2	"	"	
329/80-30-01 330/80-31-01	UNRESOLVED ITEM - Observation of Installed Electric Equipment (Units 1&2) - Battery Rack Specification Revision P13 1a Ref. 81-12	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1980 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSE
329/80-30-02 330/80-31-02	UNRESOLVED ITEM - Observation of Installed Electrical Equipment (Units 1&2) - Reinspection of welds on Main Control Board Panels P15 1g	Naidu/Sutphin	9/23-25	
329/80-30-03 330/80-31-03	UNRESOLVED ITEM - Review of QA Records - Battery Charger Test Documentation P16 2c Ref. 81-12	"	"	81-20
329/80-30 330/80-31	Review of Nonconformance Reports P18 3	"	"	
"	Review of Equipment Verification Activities P18 4	"	"	
329/80-32 330/80-33	Background - Soil Settlement P2 1 Ref. 79-20	Landsman/ Gallagher/ Gillray	12/11	
"	Purpose of Inspection - To verify implementation of the specific commitments and action items reflected in CPCo response to 10 CFR 50.54(f) Questions 1 & 23 P3 2 Ref. 81-01	"	"	
329/80-32-01 330/80-33-01	ITEM OF NONCOMPLIANCE 0 Severity Level IV - Review of Question 1, Part (a) and Question 23, Part (J) - Failure to provide adequate design interface control P5 3a	"	"	81-12
329/80-32-02 330/80-33-02	ITEM OF NONCOMPLIANCE - SEVERITY LEVEL IV - Failure to maintain design interface and coordinator control P5 3b	"	"	81-19
329/80-32-03 330/80-33-03	ITEM OF NONCOMPLIANCE - SEVERITY LEVEL IV - Failure to provide adequate design interface control P6 3c(1)	"	"	81-12

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1980 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSE
329/80-32-04 330/80-33-04	UNRESOLVED ITEM - Specification C-208 Comments	Landsman/ Gallagher/ Gilray	12/11	81-19
	Ref. 81-12 P7 3c (2), (3), (4), (5) & (6) Ref. 81-12			
329/80-32-05 330/80-33-05	UNRESOLVED ITEMS - Specification C-211 Comments	"	"	81-19
	P7 3d(1), (2), (3), & (4) Ref. 81-12			
329/80-32-06 330/80-33-06	ITEM OF NONCOMPLIANCE - SEVERITY LEVEL IV - Review	"	"	81-19
	of Question 1, Part (b) and Question 23, Part (2) -			
	Failure to Provide Adequate Corrective Action with			
	Regard to Identified Audit Results P7 4			
329/80-32 330/80-33	Review of Question 1, Part (c) and Question 23,	"	"	
	Part (3) P9 5			
329/80-33 330/80-34	Steam Generator and Pressurizer Modifications,	Erb	12/1-4	
	Units 1&2 P2 1			
"	Observation of Guide Blocks on Lower Internals	"	"	
	Unit 2 P3 2			
"	QA Documentation on Safety Related Components,	"	"	
	Units 1&2 P3 3			
329/80-33-01 330/80-34-01	UNRESOLVED ITEM - Embedded Bolts for Attachment of	"	"	82-16
	Primary Coolant Snubbers to Concrete Wall - Some			
	bolts below the minimum specified hardness of 31 -			
	39 RC P4 4			

1981

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1981 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/81-01 330/81-01	CPCo Quality Assurance Organization P5 1a	Gallagher/ Landsman/ Butphin	1/7-9	
"	Construction Schedule P5 1b	"	"	
"	Onsite Design Activity P5 1c	"	"	
"	50.55(e) - Personnel Air Locks P5 2a	"	"	
329/81-01-01 330/81-01-01	ITEM OF NONCOMPLIANCE - SEVERITY LEVEL V - Review of Onsite Soils Works Activities - Inadequate laboratory and field test procedures for the control of soil testing activities. P6 1a Ref. 80-32/33	"	"	81-12
329/81-01-02 330/81-01-02	ITEM OF NONCOMPLIANCE - CHANGED TO UNRESOLVED (NRC) Letter dtd. 4/20/81) - Document Control for Soils Work - Measures have not been established to control the issuance of documents which affect quality activities P8 1b Ref. 81-06, 81-03	"	"	81-12
329/81-01-03 330/81-01-03	ITEM OF NONCOMPLIANCE - Changed to UNRESOLVED (NRC) Letter dtd. 4/20/81) - Soils Test Records - Soil test reports are not initialed or dated and there were no established controls on the use of a rubber signature stamp. P8 1c(1) Ref. 81-03	"	"	81-12
329/81-01-04 330/81-01-04	UNRESOLVED ITEM - Test results (when densities exceed certain values) reviews do not meet the requirements. P9 1c(2)	"	"	81-12

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1981 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/81-01 330/81-01	Review of Nonconformance Reports P9 ld	Gallagher/ Landsman/ Sutphin	1/7-9	
329/81-01-05 330/81-01-05	DEVIATION - Qualifications of Onsite Geotechnical Engineer P10 le	"	"	81-12
329/81-01 330/81-01	50.55(e) - Borated Water Storage Tank Reanalysis P10 2	"	"	
329/81-02 330/81-02	Licensee Action on IE Bulletin P2	Ward	1/9 & 1/20-21	
"	Procedure Review P3 lb	"	"	
"	Material and Equipment Certification P3 lc	"	"	
"	NDE Personnel Certifications P3 ld	"	"	
"	Observation of Work Activities P4 la	"	"	
"	Review of Data Reports P4 lf	"	"	
"	Independent Inspection P4 2 Ref. 80-27/28	"	"	
329/81-03 330/81-03	Comments on Woolley Submittal P4	Sutphin	1/27-29 4/14-16	
"	50.55(e) - Personnel Airlocks P4	"	"	
"	Licensee Action on IE Bulletins - Closed 79-05A, 79-08, 79-13, 79-13 Rev. 2, 79-21, 79-26, 80-05 Open 79-14	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1981 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/81-03 330/81-03	Reactor Internals Vent Valves - Status of Installation, Unit 2 P7 1 Ref. 81-04	Sutphin	1/27-29 4/14-16	
329/81-03-01 330/81-03-01	UNRESOLVED ITEM - Midland Plant Procedures For the Processing of NRC Bulletins, Circulars and Information Notices	"	"	82-02
329/81-05 330/81-05	Meeting in Glen Ellyn to discuss the Midland Project Reorganization and Quality Assurance Program update and modifications.	Keppler & Staff	3/13	
329/81-06 330/81-06	General - Third of four allegations resolved P3 1 Ref. 80-27/28, 79-20/21, 80-03, 80-17/18, 81-02	Ward	3/18 & 5/12	
"	82-04			
"	Closed IE Bulletin 81-01	"	"	
"	Preservice Inspection P3 2	"	"	
"	Independent Inspection P5 2	"	"	
329/81-09 330/81-09	Purpose of Inspection - to verify the quality assurance program for the soil borings P3 2	Landsman	3/25-27 4/7-9	
"	Review of Drilling Procedures P3 3	"	"	
329/81-09-01 330/81-09-01	ITEM OF NONCOMPLIANCE -SEVERITY LEVEL V - Review of Contract Documents - Approval of Woodward-Clyde as a principal supplier of services was not complete prior to commencing soil boring activities. P5 4 Ref 82-11	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1981 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/81-11-01 330/81-11-01	Sealing of Cable Ends. - Observation of Electrical Work Activities P2 la	Gardner/ Love	4/28-30	8-2-01
329/81-11-02 330/81-11-02	ITEM OF NONCOMPLIANCE - Failure to prescribe activities affecting quality by documented procedures P4 lb	"	"	81-20
329/81-11-03	ITEM OF NONCOMPLIANCE - Failure to perform an adequate inspection P4 lc	"	"	81-20
329/81-11-04 330/81-11-03	ITEM OF NONCOMPLIANCE - Failure to identify and control nonconforming conditions P7 ld Ref. 81-20, 82-11	"	"	-
329/81-11-05 330/81-11-04	UNRESOLVED ITEM - Vendor wiring in Class 1E Battery Charger 1D17 is terminated with spaded lugs P7 le	"	"	81-20
329/81-11-06 330/81-11-05	ITEM OF NONCOMPLIANCE - Review of QA Implementing Procedures - Terminations - Failure to prescribe activities affecting quality by documented procedures P8 2	"	"	8-2-03 81-30
329/81-11-07 330/81-11-06	ITEM OF NONCOMPLIANCE - Review of Instrumentation Installation - Specifications and Procedures - Failure to assure requirements were correctly translated into specifications, drawings, procedures and instructions. P9 3a Ref. 81-20	"	"	-
329/81-12 330/81-12	50.55(e) Undersized Wire Installed in the Control Room Makeup Filter Drain Heater Units - Closed P7 2a Ref. 78-23	Team Insp.	5/18-22	81-12

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1981 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/81-12 330/81-12	50.55(e) - Inadequate Crimping in Vendor Supplied Electrical Penetrations - Open P7 2b Ref. 78-23	Team Insp.	5/18-22	
329/81-12-01 330/81-12-01	UNRESOLVED ITEM - Problem Areas Identified - Need to be more specific in the administration and organi- zational relationships of the Bechtel site construc- tion management and quality control organizations, in regard to the coordinations, interface and work- ing relationships between the two organizations. P9 2b	"	"	82-02
"	Positive Comments P20 3	"	"	-
"	Objectives of the Inspection - to verify that current Quality Assurance Program description and implemen- tation met requirements of 10 CFR Part 50, Appendix B and other licensee commitments. P11 1	"	"	
"	General Areas Inspected P11 2	"	"	
329/81-12-02 330/81-12-02	UNRESOLVED ITEM - Review of NSSS Nonconformance Reports (NCRs) - Verification of the as-built con- ditions after "Proof Testing" was not accomplished. P13 3a Ref. 79-26, 79-27	"	"	
329/81-12-03 330/81-12-03	UNRESOLVED ITEM - Core Support Assembly Guide Block Positioning and Welding - Engineering data associated with motion of the guide blocks. P13 3b	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1981 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/81-12 330/81-12	Review of Consumers Power Company Nonconformance Reports (NCR's) P13 4	"	"	
"	Review of Bechtel Corporation Nonconformance Reports (NCR's) P13 5	"	"	
"	Selection of Sampling Periods P14 6	"	"	
"	Conclusions P15 7	"	"	
"	QA Staffing (Civil Area) P16 1	"	"	
329/81-12-04 330/81-12-04	ITEM OF NONCOMPLIANCE - SEVERITY LEVEL IV - Trend Analysis and Evaluation - Consumers has not implemented the trend analysis program as required by Procedure M-2 in that appropriate corrective action commitments were not established by the appropriate individuals. P19 2b	"	"	81-02
329/81-12-04 330/81-12-04	ITEM OF NONCOMPLIANCE - Nonconformance Report Reviews - Failure to take adequate corrective action regarding an identified adverse trend P20 3	"	"	
329/81-12 330/81-12	Design Control of Block Walls P20 4	"	"	
"	Overinspection Plans and Implementation P20 5	"	"	
329/81-12-05 330/81-12-05	UNRESOLVED ITEMS - 5 ITEMS - Permanent Dewatering System P21 6	"	"	81-19

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1991 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/81-12-06 330/81-12-06	UNRESOLVED ITEM - Procurement of Materials P22 7	Team Insp.	5/18-22	82-02
329/81-12 330/81-12	Quality Assurance Audits P22 8	"	"	
"	Project Quality Control Instructions P22 9	"	"	
330/81-12-07	ITEM OF NONCOMPLIANCE - SEVERITY LEVEL VI - Failure to perform an adequate inspection - Terminations P24 1a Ref. 81-20	"	"	82-03
329/81-12-07 330/81-12-08	UNRESOLVED ITEM - Observation of Electrical Work Activities - Terminations - No inspection plan for the retermination of all electrical power and control cables P24 1b Ref. 81-20	"	"	
329/81-12-08 330/81-12-09	UNRESOLVED ITEM - Qualification of QC Inspectors - Electrical - Qualification and Certification of Electrical QC Inspectors Questionable P25 2 Ref. 81-20 - Escalated to Item of Noncompliance Ref. 8209	"	"	82-06
329/81-12-09 330/81-12-10	ITEM OF NONCOMPLIANCE - SEVERITY LEVEL V - Review of Raceway Rework Controls - Licensee's method of controlling the rework of items previously inspected and accepted by QC. P28 3	"	"	
329/81-12 330/81-12	Review of Quality Assurance Records - Quality Action Requests.	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1981 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/81-12 330/81-12	Storage of Electric Cable - Cable Storage Yard P30 5	Team Insp.	5/18-22	
"	Review of Procedures and Specifications P31 1	"	"	
"	Inspection of Large Bore Pipe Suspension System Component Installations P32 2	"	"	
329/81-12-10 330/81-12-11	UNRESOLVED ITEM - Rigid Frame Restraint 18-LHCB-2-H1e P3 2e	"	"	8207
329/81-12-11 330/81-12-12	ITEM OF NONCOMPLIANCE - SEVERITY LEVEL V - Deficiency in the pipe hanger program P34 2c-i	"	"	
329/81-12-12 330/81-12-13	<i>R.F. 82-07</i> ITEM OF NONCOMPLIANCE - SEVERITY LEVEL V - Failure of the QC inspectors to identify the installation deficiencies P34 2c-j <i>R.F. 82-07</i>	"	"	
320/81-12-13 330/81-12-14	ITEM OF NONCOMPLIANCE - SEVERITY LEVEL IV - Review of Site Small Bore Piping Design Activities - Failure to document stress calculations prior to issuance of drawings for construction P35 3a	"	"	8207
329/81-12-14 330/81-12-15	ITEM OF NONCOMPLIANCE SEVERITY LEVEL V - Document Control - Specifications and calculations not up to date. P36 3b	"	"	8207
329/81-12-15 330/81-12-16	UNRESOLVED ITEM - Control of Installation Changes - Procedural provisions to control the effects of design revisions on small bore piping and piping suspension systems were questionable P36 3c	"	"	82-07

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1981 REPORTS

#	TOPIC	INSPEC- TOR	OPENED	CLOSE
329/81-12-16 330/81-12-17	ITEM OF NONCOMPLIANCE - SEVERITY LEVEL V - Audits of Site Small Bore Piping Design Activities - Inade- quate audits and surveillances of the site small bore pipe and hanger design activities. P37 4a&b	Team Insp.	5/18-22	82-07
	IMMEDIATE ACTION LETTER issued 5/22/81 (Letter attached to report #81-12) Ref. 81-14			81-14
329/81-14 330/81-14	Followup on Immediate Action Letter (IAL) Items P2 1	Yin	7/16-17 7/23-24	
329/81-14-01 330/81-14-01	ITEM OF NONCOMPLIANCE - SEVERITY LEVEL V - Followup on Allegation - Field change procedures used at the site for small bore piping and piping supports. P5 2 - Inadequate design control involving the Rereview of the FE redline drawings P7 Ref. 81-12	"	"	82-07
329/81-14 330/81-14	Management Exit Meeting - Small Piping and Pipe Hanger Review Status Presented by CPCo Management P7 1	"	"	
"	<i>Open Item</i> Positions at General Comments Noted by the Region III Management P8 2	"	"	82-07
	CONFIRMATORY ACTION LETTER submitted to NRC 7/27/81			"
329/81-15 330/81-15	Benchmark Stability P2(1)	Landsman	8/3-5	"

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1981 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/81-15 330/81-15	Post Tensioning Quality Records P2(2)	Landsman	8/3-5	
329/81-16 330/81-16	General - Allegations concerning B&S NDE work P4(1)	Erb/ Ward	8/12-14	
	Ref. 80-27/28, 81-06			
"	50.55(e) - Snubber Bracket Bolts for Lateral Support to Primary Coolant Pump - Units 1&2 P2	"	"	
"	Preservice Inspection - NDE Personnel Certifications & Observation of Work Activities, Review of Data Reports and Audits Ref. 79/20-21, 80/03, 80/17-18, 80/27-28, 81-02, 81-06	"	"	
"	Containment (Structural Steel Welding) Observation of Work Activities and Review of Quality Records P6(3)	"	"	
"	Reactor Coolant Loop Piping - Visual and Special Welding Applications P6(4)	"	"	
"	Safety-Related Piping - Welding Material Control and Welder Qualification P7(5)	"	"	
330-81-16-01	UNRESOLVED ITEM - Review of Penetration in Units 1&2 P9(1) - Penetration test report signed by a Level 1 inspector	Erb	"	82-16
329/81-16 330/81-16	Documentation for NSS Valves P10(2)	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1981 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/81-16 330/81-16	Status of Internals Units 1&2 P10(3)	Erb	8/12-14	
"	Status of Modification to Reactor Pressure Vessel Supports - Unit 2 P10(4)	"	"	
329/81-19-01 330/81-19-01	UNRESOLVED ITEM - Permanent Plant Dewatering Well P3(1)	Landsman	9/9-11 10/5-7	82-02
"	Meetings with CPCo, Bechtel, and NRR P4(2)	"	"	
329/81-20-01 330/81-20-01	UNRESOLVED ITEM - Observation of Electrical Work Activities - Concern regarding how the licensee is going to assure that the presently installed cables are re-trained into the proper cable tray after installation of the dividers. P5(2a(1))	Love/ Lee	10/6-9	-
329/81-20-02 330/81-20-02	UNRESOLVED ITEM - Observation of Electrical Work Activities - Dividers present sharp edges due to design and the method of installation. P5(2a(2))	"	"	
329/81-20-03 330/81-20-03	UNRESOLVED ITEM - Observation of Electrical Work Activities - Cable trays being filled above the side rails. P5(2a(4))	"	"	
329/81-20-04 330/81-20-04	UNRESOLVED ITEM - Review of Electrical Records and Procedures - Possible exceedence of cable pulling tensions. P7(2b(2))	"	"	

1982

UNRESOLVED CITATIONS
OTHER INSPECTORS

#	TOPIC	INSPECTOR	OPENED	CLOSED
329/82-01 330/82-01	Midland Quality Assurance Organization P2(2)	Keppler & Staff	1/12	
	Ref. 81-12			
329/82-02 330/82-02	Licensee Action on Previous Inspection Findings P2(2)	Jones/ Ridgeway	1/19-22	
"	IE Bulletin Followup P6(3)	"	"	
	The following Bulletins were closed - 73-06, 74-10, 75-01, 04, 08, 76-04, 06, 78-10, 14, 79-05, 05A, 06, 06A, 06B, 06C, 79-12, 16, 17, & Rev. 1, 18, 24, 80-02, 04, 06, 10, 11, 12, 18, 24, 72-03, 80-03, 80-19, & Rev. 1, 80-20, 21, 23, 81-03			
329/82-02 330/82-02	IE Circular Followup P9(4)	"	"	
	The following Circulars were closed - 77-10, 78-06, 79-24, 80-03			
329/82-03-1A 330/82-03-1A	Example 1 ITEM OF NONCOMPLIANCE - SEVERITY LEVEL IV - Failure to Follow Procedures. P4	Landsman/ Gardner	4/12-14 & 4/21-23	
329/82-03 330/82-03	Deep Seated Benchmarks P4	"	"	
329/82-03-1B 330/82-03-1B	Example 2 ITEM OF NONCOMPLIANCE - SEVERITY LEVEL IV - Failure to Follow Procedures. P5	"	"	
329/82-03-1C 330/82-03-1C	Example 3 ITEM OF NONCOMPLIANCE - SEVERITY LEVEL IV - Failure to Follow Procedures. P5	"	"	
329/82-03 330/82-03	Meetings - (a) Intervenors, (b) CPCo, NRR, Bechtel, & Intervenors, (c) ACRS Subcommittee meeting P6	"	"	

UNRESOLVED CITATIONS
OTHER INSPECTORS

1982

#	TOPIC	INSPECTOR	OPENED	CLOSURE
329/82-04-01 330/82-04-01	<i>Unresolved Item</i> Allegations - P3	Ward	3/2-4	82-16 82-1- 83-10
"	Radiographic Review of Shop Radiographs P4	"	"	
"	NDE Personnel Certifications P5	"	"	
"	Review of Shop Radiographs P5	"	"	
"	Exit Interview - Hostile exit P6	"	"	
329/82-05-01 330/82-05-01	DEVIATION - Quality Assurance Staffing (Civil Area) - Assigned personnel do not satisfy the commitment to provide qualified staff needed to support the remedial soils work.	Landsman	2/3-5 3/17-19	
329/82-05-02C 330/82-05-02C	NONCOMPLIANCE - Severity Level IV (Supplement II) - Permanent Plant Dewatering Wells - Controlling Specification C-88 did not have appropriate acceptance criteria. P3	"	"	
329/82-05 330/82-05	Drawdown-Recharge Test P4	"	"	
329/82-05-02D 330/82-05-02D	NONCOMPLIANCE - BWST Surcharge Test - Design criteria outlined in the specification have not been adequately translated into inspection procedures. P5	"	"	
329/82-05-02B 330/82-05-02B	NONCOMPLIANCE - BWST Surcharge Test - Failure to have an adequate procedure. P5	"	"	
329/82-05-02A 330/82-05-02A	NONCOMPLIANCE - Auxiliary Building Access Shafts - Failure to follow procedures P6	"	"	

UNRESOLVED CITATIONS
OTHER INSPECTORS

1982

#	TOPIC	INSPEC TOR	OPENED	CLOS
829/82-05 330/82-05	Meetings with CPCo, Bechtel and NRR P7	Landsman	2/3-5 17-19 3/17-19	
"	Exit Interviews - Inspector informed licensee that more emphasis must be placed on the attention to detail in the preparation, review and implementation of documents.	"	"	
329/82-06-01 330/82-06-01	NONCOMPLIANCE - Severity Level IV (Supplement II) - Licensee construction quality control inspections performed during the period of 10/9/78 and 7/21/81 failed to verify conformance of cable pulling activities with documented instructions. P2 Ref. 81-12-08/09	Landsman/ Gardner	3/17-19	
329/82-06-02 330/82-06-02	NONCOMPLIANCE - Severity Level IV (Supplement II) Observation of Underpinning Instrumentation Installation Activities - Lack of QA program P3 Ref. 82-03, 82-11	Landsman/ Gardner	3/17-19	
329/82-06-03 330/82-06-03	OPEN ITEM - No limit on number of FCR's that can be issued before requiring a drawing revision P4 *Escalated to Item of Noncompliance	"	"	*82-03
329/82-07 330/82-07	Piping Suspension System Installation/QC Inspection Program Breakdown P4(1) Ref. 81-12	Yin	4/21-23	

UNRESOLVED CITATIONS
OTHER INSPECTORS

1982

#	TOPIC	INSPEC TOP	OPENED	CLOS
329/82-07 330/82-07	QC Acceptance Criteria on Pipe Restraint Gap Measurements P6(2) Ref. 81-12	Yin	4/21-23	
"	Licensee Control of Piping Installation Rework P6(3) Ref. 81-12	"	"	
329/82-07-01 330/82-07-01	UNRESOLVED ITEM Bechtel Internal Design Audit P7(4)	"	"	
329/82-08-01 330/82-08-01	UNRESOLVED ITEM - Preoperational Test Program P2(2)	Ring/ Robinson/ Jackiw	5/18-21	82-17
329/82-08-02 330/82-08-02	UNRESOLVED ITEM - Test Organization - Technical Depart- ment not consistent with Chapter 14 of the FSAR. Ref. 82-17	"	"	82-19
329/82-08-03 330/82-08-03	UNRESOLVED ITEM - Test Program Administration P4(4) Ref. 82-17	"	"	
329/82-09 330/82-09	Special meeting during which the licensee's disposi- tion of the results of electrical overview inspections was discussed. - Class 1E electrical cable installation overinspections. Ref. 81-12	Norelius/ Williams/ Gardner	5/14	
329/82-10 330/82-10	Functional or Program Areas Inspected - Internal structures coating deficiencies.(p2) -	Hawkins	6/2-4	
329/82-11 330/82-11	Licensee Actions on Previously Identified Items P2	Mendez/ Gardner/ Landsman	5/19-21 8/9-11, 17, 23, 23, 30, 7/2	
329/82-11-01 330/82-11-01	DEVIATION - Unapproved installation/coordination forms being used. P7 Ref. 82-19	"	"	82-25
329/82-11-02 330/82-11-02	NONCOMPLIANCE - Failure to properly install anchor bolt. P7	"	"	

UNRESOLVED CITATIONS
OTHER INSPECTIONS

1982

#	TOPIC	INSPEC- TOR	OPENED	CLOSURE
329/82-11-03 330/82-11	UNRESOLVED - Vertical separations P7	Mendez/ Gardner/ Landsman	5/19-21 6/9-11, 17, 6/30-7/2	82-18
	<i>Escalated to Item of Noncompliance #82-18-C1</i>			
"	Freeze-wall Monitoring Pits P8	"	"	
"	Pond Fill Line Repair P8	"	"	
"	Slope Layback at Auxiliary Building Access Shafts P8	"	"	
"	FIVP Temporary Supports P8	"	"	
329/82-11-04 330/82-11-03	UNRESOLVED Dewatering Fines Monitoring P9	"	"	82-18
	<i>Escalated to Item of Noncompliance #82-18-C1</i>			
"	Excavation Permit System P9	"	"	
"	Isolated Perched Water Pockets P10	"	"	
"	Crack Mapping P10	"	"	
"	Soil Stabilization P10	"	"	
"	Temporary Construction Dewatering Wells P10	"	"	
329/82-12 330/82-12	Licensee Action on Previous Inspection Findings P2	Ward	6/1-2	
329/82-13 330/82-13	Investigation of alleged misleading information (Boos) Well		4/6 to 6/17	
"	Functional or Program Areas Inspected P4	"	"	
329/82-14 330/82-14	Management meeting (SALP)	Keppler & Staff	4/26 & 6/21	

UNRESOLVED CITATIONS
OTHER INSPECTORS

#	TOPIC	INSPECTOR	OPENED	CLOSURE
329/82-15 330/82-15	Licensee Action on Previous Inspection Findings - (HVAC allegations)	Jones/ Ridgeway	7/6-9	
"	10 CFR 21 and 50.55(e) Reportable Items (Open) Ruskin Fire Damper (80-01) (Open) Hilti Drop-In Anchors (79-08) (Closed) Temperature of structural concrete (81-06) (Closed) Westinghouse Electro Mech. Div. gate valves (81-07) (Open) AC motor starter control voltage drop (81-08)	"	"	
"	IE Bulletin Followup	"	"	
"	IE Circular Followup	"	"	
"	IE Information Notices	"	"	
329/82-17 330/82-17	Licensee Action on Previous Inspection Findings	Ring/ Robinson	8/9-13	
329/82-17-01 330/82-17	OPEN ITEM Test Program Administration P3 - Insufficient administrative controls <i>Ref 82-19</i>	"	"	
330/82-17-02	UNRESOLVED ITEM Test Program Administration - Insufficient administrative controls P4	"	"	82-19
330/82-17-03	UNRESOLVED ITEM Document Control - Exclusion of acceptance test procedures from TWG review P4	"	"	82-19
330/82-17-04	OPEN ITEM Document Control - Inability of the master indexing System to adequately document design status. P4 <i>Ref. 82-19</i>	"	"	

UNRESOLVED CITATIONS
OTHER INSPECTORS

1982 REPORTS

	TOPIC	INSPECTOR	OPENED	CLOSED
330/82-17-05	OPEN ITEM Document Control - Exclusion of test procedures from the RTS P5	Ring/ Robinson	8/9-13	82-19
330/82-17-06	OPEN ITEM Design Changes and Modifications - Absence of licensee's participation in the review of design changes and modifications. P5 <i>R.F. 82-19</i>	"	"	
330/82-17-07	UNRESOLVED ITEM Design Changes and Modifications - Controls not established for determining independent verification and functional testing of equipment. P5	"	"	82-19
329/82-17-05 330/82-17-08	<i>Open Item</i> Plant Maintenance/Preventive Maintenance During Preoperational Testing is - <i>Insufficient administra-</i> <i>tive controls P6</i>	"	"	82-19
329/82-18-01 XXXXXXXX	ITEM OF NONCOMPLIANCE Licensee Action of Previously Identified Items - Vertical Separations P3	Shafer/ Gardner/ Landsman	7/13-15 8/4-5 8/9-13 8/16-20 8/23-25	
329/82-18-02 330/82-18-01	ITEM OF NONCOMPLIANCE - Dewatering Pines Monitoring Observation of Underpinning Instrumentation P3	"	"	84-03
329/82-18-03 330/82-18-02	ITEM OF NONCOMPLIANCE Slope Layback at Auxiliary Building Access Shafts	"	"	84-03
329/82-18-04 330/82-18-03	ITEM OF NONCOMPLIANCE BWST Foundation Grouting - Failure to control a special process. P6	"	"	
"	Management Meeting to Discuss Violation of the ASLB Order of April 30, 1982 P6	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1982 REPORTS

#	TOPIC	INSPEC- TOR	OPENED	CLOS-
329/82-18 330/82-18	Potential Violation of Board Order P7	Shafer/ Gardner/ Landsman	8/13-15 16-20; 23-25	9-13
"	Work Authorization Procedure	"	"	
329/82-19 330/82-19	Licensee Action on Previous Inspection Findings P2	Robinson	9/20-22	
330/82-19-01	OPEN ITEM Equipment Protection and Cleanliness - Lack of an adequate program for equipment protection P3	"	"	
"	Test and Measurement Equipment P4	"	"	
330/82-19-02	OPEN ITEM Training - Lack of specific QA/QC training require- ments for test personnel. P4	"	"	
329/82-23 330/82-23	Management meetings conducted to discuss the current and projected status of emergency preparedness faci- lities, equipment, and activities.	Axelsson/ Ploski/ Rohrer	12/20-21	
329/82-25 330/82-25	Inspection of Completed ASME Section III Class I Pipe Hangers/Restraints/Snubbers and Review of Associated QC Records P2(1)	Scheibelhut/ Simon/ Gather/ Gustafson	12/29-30 1-38 12/8-10	
329/82-25-01 330/82-25-01	UNRESOLVED ITEM Observation of Work and Work Activities Associated With Reactor Coolant Pressure Boundary Pipe Welding Nonconforming valve P3(2) <i>Excluded to action of</i> <i>Noncompliance # 83-01-01</i>	"	"	83-01
329/82-25 330/82-25	Inspection of ASME Section III Class 1 Hanger Work in Progress P4(3)	"	"	

1983

UNRESOLVED CITATIONS
OTHER INSPECTORS 1983 REPORTS

#	TOPIC	INSPEC TOR	OPENED	CLOS
329/83-01-01 330/83-01-01	ITEM OF NONCOMPLIANCE Licensee issued an untagged item for installation	Simons/ Sather	1/11-14	
	which did not have documented evidence of acceptability P3 Ref. May 11, 1983 letter to CPCs from Warnick-			
	No further response required. Ref. 83-07			
329/83-01-02 330/83-01-02	UNRESOLVED ITEM - Inadequate rationale in dispositioning of NCRs P4(1) Ref. 83-04, Ref. 83-06	"	"	83-06
329/83-01-03 330/83-01-03	UNRESOLVED ITEM - Series of cracks in the Unit 1 containment building not identified by licensee. P4(2)	"	"	
	Ref. 83-04, Ref. 83-06			
329/83-01 330/83-01	Review of Pipe Hangers P4(3)	"	"	
329/83-02 330/83-02	Initial Management Meeting P2(2)	Grant	2/16-18	
"	Radiation Protection Organization P2(3)	"	"	
"	Chemistry/Health Physics (CHP) Technician Training P4(3)	"	"	
"	Facilities P3(5)	"	"	
"	Manufacturing Deficiencies - Victoreen Inc. P3(6)	"	"	
329/83-04-01 330/83-04-01	UNRESOLVED ITEM - Supplier audit system maintenance	Simons/ Sather	2/7-11, 28 3/4	83-06
	P3(1) Escalated to Item of Noncompliance # 83-06-01			
329/83-04 330/83-04	Observation of Hanger Fabrication P3(2)	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1983 REPORTS

#	TOPIC	INSPEC TOP	OPENED	CLOS
50-329/83-06-01 50-330/83-06-01	Control of Purchased Material and Services P3(2c)	Simon/ Sather	3/29-31& 4/1	
50-329/83-06 50-330/83-06	Review of Babcock and Wilcox Quality Manuals P3(3)	"	"	
"	Inspection of Hangers and Review of Associated QC Records P3(4)	"	"	
50-329/83-07-01 50-330/83-07-01	Failure to take corrective action for condition adverse to quality to prevent recurrence P4(3b)	Simon/ Sather	4/20-21 5/9-20	
50-329/83-07-02 50-330/83-07-02	Failure to segregate noncon- forming materials to prevent the inadvertent use of such material P4(3c)	"	"	
50-329/83-08 50-330/83-08	Task P2(2)	Hawkins/ Key	5/20/83 to 2/19/84	
"	Methodology P3(3)	"	"	
"	Allegations P3(4)			
"	Background P5(4)	"	"	
"	Description of the HVAC Systems P7(6)	"	"	
"	Unresolved Items P7(7)	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1983 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOS
50-329/83-08 50-330/83-08	Allegers - Section I P1	Hawkins/ Key	5/20/83 to 2/19/84	
"	Chronology of events P3	"	"	
"	Specific Observations P5			
50-329/83-08-01 50-330/83-08-01	Resolution of documentation discrepancies Sec. 1 P5(b)	"	"	
50-329/83-08-02 50-330/83-08-02	Material certification record deficiencies Sec.1 P8(c)	"	"	
50-329/83-08-03 50-330/83-08-03	Concerns over the assurance of reporting of significant construction deficiencies Sec.1 P8(c)	"	"	
50-329/83-08-04 50-330/83-08-04	Improper deficiency trending techniques at Zack, and unqualified Comstock personnel performing engineering and quality functions. Sec 1 P11(j)	"	"	
50-329/83-08- 50-330/83-08	Section II General - Sec. II P1(a)	"	"	
"	Specification Review Sec. II P1(b)	"	"	
"	Field and Welding Procedure Review Sec. II P1(c)	"	"	
"	Quality Procedures Review Sec. II P3(d)	"	"	
"	Receipt Inspection Sec. II P4(e)	"	"	

UNRESOLVED CITATIONS
OTHER INSPECTORS

1983 REPORTS

#	TOPIC	INSPECTOR	OPENED	CLOSED
50-329/83-08 50-330/83-08	Handling and Storage Sec. II P4(f)	Hawkins/ Key	5/20/83 to 2/19/84	
"	Observation of Work Activities Sec. II P4(g)	"	"	
"	Personnel Qualification/Certification Sec. II P10(h)	"	"	
"	Drawing Control Sec. II P10(i)	"	"	
"	Audits Sec. II P10(j)	"	"	
"	Material Traceability Sec. II P11(k)	"	"	
"	Allegation Followup Sec. II P13(l)	"	"	
"	SECTION III Documents Reviewed Sec. III P1(a)	Shulz/ Kroop/ Westberg	"	
"	Installation - HVAC Hangers and Ductwork Sec. IIIP4(b)	"	"	
50-329/83-08-05 330/83-08-05	Documented inspection program Sec. III P6(b(3)(a))	"	"	
50-329/83-08-04 50-330/83-08-03	COMPLIANCE - Failure to establish an inspection program to assure proper fit-up conformance for structural welding in accordance with AWS D1.1-1979, Section 6 Sec. III P7 (b(3)(d))	"	"	
50-329/83-08-06 50-330/83-08-06	OPEN ITEM - Calibrated thermometers not attached to the weld rod ovens Sec. III P6(b(3)(b))	"	"	

UNRESOLVED/CITATIONS
OTHER INSPECTORS

1983 REPORTS

#	TOPIC	INSPEC TOR	OPENED	CLOS
50-329/83-08-08		Shulz/ Kropp/ Westberg	5/20/83 to	
50-330/83-08-08	ITEMS OF NONCOMPLIANCE - Failures to provide inspector certification in accordance with ANSI N45.2.6-1978		2/19/84	
	Sec.III P7(c)(2)(c)			
50-329/83-08-09		"	"	
50-330/83-08-09	ITEMS OF NONCOMPLIANCE - Failure to establish a program to train inspectors in specification changes			
	Sec.III P9(c)(2)(d)			
50-329/83-08-10	ITEMS OF NONCOMPLIANCE - Review of retroactive design changes	"	"	
50-330/83-08-10	Design Change Control Sec.III P9(d)			
50-329/83-08-11		"	"	
50-330/83-08-11	ITEMS OF NONCOMPLIANCE - Failure to follow procedure			
	Sec.III P11 (e) (3) (a)			
50-329/83-08-12		"	"	
50-330/83-08-12	ITEMS OF NONCOMPLIANCE - Bechtel and CPCo procedures not in agreement on the number of attachments allowed before a revision to a drawing was required. Sec.III P11(e) (3) (b)			
50-329/83-08-13		"	"	
50-330/83-08-13	ITEMS OF NONCOMPLIANCE - CPCo requirements for control of drawing change attachments not properly translated			
	Sec.III P11(e) (3) (c)			
50-329/83-08-14		"	"	
50-330/83-08-14	ITEMS OF NONCOMPLIANCE - "One-time deviations" Sec.III P11(e) (3) (d)			
50-329/83-08-15		"	"	
50-330/83-08-15	UNRESOLVED ITEMS - Purchase orders did not include 10CFR 21 provisions. Sec.III P12(f)			
50-329/83-08-16		"	"	
50-330/83-08-16	ITEMS OF NONCOMPLIANCE - Audits - Sec.III P14(h) (2) (a-f)			

UNRESOLVED/CITATIONS
OTHER INSPECTORS

#	TOPIC	INSPECTOR	OPENED	CLOS
XXXXXXXXXXXX 50-330/83-12	Facilities P3(5)	Grant	6/27-29	
"	Instrumentation and Equipment P3(6)	"	"	
XXXXXXXXXXXX 50-330/83-12-01	Part II - Radiation Protection Procedures P3(7)	"	"	
"	Respiratory Protection Program P4(8)	"	"	
XXXXXXXXXXXX 50-330/83-12-02	Part III - Status of Certain TMI Action Plan Items P4(9)	"	"	
XXXXXXXXXXXX 50-330/83-12-03	Victoreen Inc. - Radiation Monitoring System (RMS) P5(10)	"	"	
50-329/83-12-01A 50-330/83-13-01A	ITEM OF NONCOMPLIANCE - Failure to follow the specification requirements. P4(3)	Simon/ Sather	May/June/ July	
50-329/83-12-01B 50-330/83-13-01B	ITEM OF NONCOMPLIANCE - Failure to follow procedural requirements P4(3)	"	"	
50-329/83-12-01C 50-330/83-13-01C	ITEM OF NONCOMPLIANCE - Failure to follow procedural requirements P6(2)	"	"	
50-329/83-12-01D 50-330/83-13-01D	ITEM OF NONCOMPLIANCE - Failure to follow procedural requirements P6 c(2)	"	"	
50-329/83-17 50-330/83-18	Process for Installation of ASME Sec III Class 1 Pipe P2(2)	Simon/ Sather	July/Aug/ Sept.	

1984

