March 21, 1980

Dr. Jorj O. Osterberg
Dept. of Civil Engineering
Northwestern University
Evanston, Illinois 60201

Dear Dr. Osterberg:

Subject: Midland - Units 1 and 2 Foundation Studies

Enclosed is the first installment of material relating to your review of the Midland soil/foundation problems. As I discussed with you on the telephone on March 20, I am sending you only portions of Chapters 1 and 2 of the Final Safety Analysis Report (FSAR) as well as Section 3.8.5 from Chapter 3. A complete copy of the FSAR is maintained in the ACRS office and you are welcome to review it when you are in Washington. At some time in the future, we will arrange for you to visit the site and also to participate in one or more Subcommittee meetings. In the meantime, we will periodically send you additional material related to this review.

Sincerely,

John C. McKinley, Chief Project Review Branch #1

Enclosures: As stated

cc: P. G. Shewmon (w/o encl.)

C. P. Siess M. W. Libarkin

P. S. Tam

8408010202 840718 PDR FDIA RICE84-96 PDR

FILE: Midland 1 and 2

OFFICE	ACRS
SURNAME	ACRS  JCMcKinley/bgs
DATE	3-21-80

Date: March 21,1980

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-111-80-55

This preliminary nutification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information Objected is as initially received without verification or evaluation and is basically all that is known by IE staff as of this date.

Facility:

Midland Units 1 and 2

Docket Nos. 50-329 and 50-330

U.S. NUCLEAR REG. COMM.
ADVISORY COMMITTEE ON
REACTOR SAFEGUARDS

Subject:

STOP WORK OF HEATING AND VENTILATING CONTRACTOR (MIDLAND SITE)

On March 20, 1980 at 4:00 p.m., Consumers Power notified RIII (Chicago) that an order had been issued to the Zack Corporation refraining them from doing any further safety related heating and ventilating work at the Midland site.

The order was issued because of problems associated with the failure of Zack to implement certain portions of the QA program. An NRC investigation during the week of March 17, 1980 confirmed the existence of the problems.

An Immediate Action Letter is being issued to confirm the stop work action and outline actions required prior to resumption of work.

The State of Michigan is being notified. RIII (Chicago) will followup this matter.

RIII received notification of this information by telephone from Consumers Power Company Vice President at 4:00 p.m. on March 20, 1980.

CK---

Contacts: R. C. Knop, RIII

384-2578

G. Fiorelli, RIII

384-2603

Distribution:

Transmitted H St

Chairman Abearne Commissioner Gilinsky

Commissioner Kennedy

Commissioner Hendrie Commissioner Bradford

ACRS

W. J. Direks, EDO 9.76

C. Michelson, ALOD

J. J. Fouchard, PA

R. C. Yang S.P. 

P. Bldg H. R. Denton, NRR

R. C. DeYoung, NRK

R. J. Mattson, NRR R. Vassablo, NRR D. Eisenbut, NRR

USS Bldg #

C/R DIST. CHM. DO NOT Remove from AGRS

SECY. HIST. RECODS

X005010153

PRELIMINARY NOTIFICATION

S. J. Chilk, SECY C. C. Kammerer, CA

(For Distribution)

IE: X005 7:67 (IE: HQ Di

Landow (6 min/per J. J. Cummings, OlA

(MAIL) R. Minogue, SD IE:XOOS

MIDLAND

ML 206

Date: March 17, 1980

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE -- PNO-III-80-50

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff as of this date.

Facility: Consumers Power Company, Midland Site

(DN 50-329; 50-330) Midland, MI

Subject: WELDING GAS DETONATION AT MIDLAND CONSTRUCTION SITE

Consumers Power Company notified the resident inspector of a detonation of a reactive gas used for welding operations at the Midland construction site.

Two pipefitters were attempting to find a gas leak. During the checks, they broke a hose coupling containing the gas at a pressure of 40 PSI. The gas was apparently detonated by activation of a two way radio being used by a person near the hose.

All three men received second and third degree burns over fifteen percent of their bodies. Initial prognosis is that the men's eyes and lungs are not damaged. Some minor equipment damage occurred in the auxiliary building.

The event is being covered by local news media. The NRC does not intend to issue a press release. The State of Michigan and OSHA are being notified.

Consumers Power notified the resident inspector at 2:40 p.m. on March 15, 1980.

This preliminary notification is issued for information only and no further action by IE is anticipated.

Contacts: R. C. Knop, RII G. Fiorelli, RIII

384-2578

Distribution: Transmitted H St

Distribution: Transmitted H St
Chairman Ahearne Commissioner Hendrie S. J. Chilk, SECY
Commissioner Gilinsky Commissioner Bradford C. C. Kammerer, CA
Commissioner Kennedy ACRS (For Distribution)

Commissioner Kennedy ACRS (For Distribution)

Transmitted: MNBB P. Bldg IE: XOOS 8:50 (IE: HQ Dist.
W. J. Dircks, EDO H. R. Denton, NRB 38 8013 738

W. J. Dircks, EDO

H. R. Denton, NRR WS 2013 V 3 Control of the co

J. G. Davis, NMSS

R. Minogue, SD

S. Levine, RES

1E:X00S

Date: 1/22/80

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE -- PNO-III- 79-66A

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as iditially received without verification or evaluation and is basically all that is known by IE staff as of this date.

Facility: Consumers Power Company

Midland Unit 1 (DN 50-329)

Midland, Michigan

BROKEN REACTOR VESSEL ANCHOR BOLTS AT MIDLAND 1 CONSTRUCTION SITE Subject:

This PN is an update of PNO-III-66 issued on December 20, 1979.

The following information was received by Consumers Power Company on tests performed on the Midland 1 reactor vessel anchor bolts.

- Test results indicate that most of the bolts have a hardness value above the ASME material specification limit (indication of brittleness).
- The cause for the two bolts previously reported broken at Midland 1 2. was due to stress corrosion cracking in conjunction with the potential sub-standard mechanical properties of the bolts.
- The 96 bolts received by Midland may have been part of a larger order of bolts heat treated at the same time by the J. W. Rex Company. The disposition of the remaining 90 bolts from that order is not known at this time.

All information to date indicates that the bolt material in Midland Unit 2 is acceptable.

The licensee is planning to meet with consultants and Bechtel next week to review the data further. Region III will follow this problem at the Midland site.

No press release is planned by the licensee until the final evaluation of the material is made. The NRC does not plan a press release at this time.

Distribution: Transmitted H St 2 400m Chairman Ahearne Commissioner Gilinsky

Commissioner Hendrie Commissioner Bradford ACRS

S. J. Chilk, SECY C. C. Kammerer, CA (For Distribution)

Commissioner Kennedy

H. L. Ornstein, EDO

J. J. Fouchard, PA N. M. Haller, MPA

R. G. Ryan, OSP

H. K. Shapar, ELD

Transmitted: MNBB 2.457... P. Bldg 7.52 PSQUANDBLYS 80134 E: XOOS 2.4744E: HQ Dist. L. V. Gossick, EDO H. R. Denton, MR 33111W1-03 A80SIADY

R. C. DeYoung, 'NRRO' Das av 3 JOHN'S'

R. J. Mattson, NRR Landow (6 min/page)

D. Vassalio, NRR OI WW 52 NWT 1861. Cummings, OIA

W. J. Dircks. NHSS

R. Minogue, SD

S. Levine, RES RECEIVED IE:XOOS

Do Not Remove from ACRS Office

C/R DIST. CHM. CMRS. PE. GO. T.

MidLAND#

A00202004

EN-79-14

December 6, 1979

## OFFICE OF INSPECTION AND ENFORCEMENT NOTIFICATION OF SIGNIFICANT ENFORCEMENT ACTION

Licensee: Consumers Power Company

Midland, Unit. Nos. 1 and 2 Docket Nos. 50-329 and 330

Midland, Michigan

ADVISORY COM .... KEACTOR SAFEGUARDS IN NE

DEC 1 19/9

ORDER MODIFYING CONSTRUCTION PERMITS Subject:

2/8/3/m/m/m/m/m/s/0/4/9/0

This is to inform the Commission that an Order modifying MRC Construction Permit Nos. CPPR-81 and 82 is being issued to Consumers Power Company on December 6, 1979. This action is based on quality assurance deficiencies involving settlement of the Diesel Generator Building and soil construction activities at the Midland site, a material false statement in the FSAR, and an unresolved safety issue concerning adequacy of the licensee's actions to correct deficiencies in soil construction under and around safety-related structures and systems.

These matters do not involve an immediate threat to the health and safety of the public. A news release has been prepared and will be issued about the time the licensee receives the Order. The IE Director discussed this Order with the licensee on December 6, 1979. The State of Michigan will be notified by Region III (Chicago).

The schedule for issuance and notification is:

December 6, 1979 December 6, 1979 Actton Signed Action Mailed December 6, 1979 Telephone Notification to Licensee December 6, 1979 Telephone Notification to State December 6, 1979 NRC News Release

Any person whose interest may be affected by this Order may request a hearing within 20 days. The Order will be in effect on December 26, 1979, unless a hearing is requested. If a hearing is conducted, the effective date will be specified following the hearing.

Contact: REShewmaker, IE x27551 HDThornburg, IE x28484

Transmitted H St Distribution: Commissioner Bradford Chairman Hendrie Commissioner Ahearne Commissioner Kennedy ACRS Commissioner Gilinsky

S. J. Chilk, SECY C. C. Kammerer, CA (For Distribution)

V. Stello, IE

Region \_\_\_\_

Transmitted: MNBB L. V. Gossick, EDO H. L. Ornstein, EDO J. J. Fouchard, PA

H. R. Denton, NRR R. C. DeYoung, NRR R. J. Mattson, NRR D. Vassallo, NRR

Landow DIA J. J. Cummings,

N. M. Haller, MPA R. G. Ryan, OSP

D. Eisenhut, NRR

P. Bldg

(MAIL) R. Minogue, SD

H. K. Shapar, ELD

SS Bldg

C/R DIST. CHM. CMFS. TEN GC. CA SECY . HIST . RECORS .

Froil Gui ot Remove from ACRS Office