

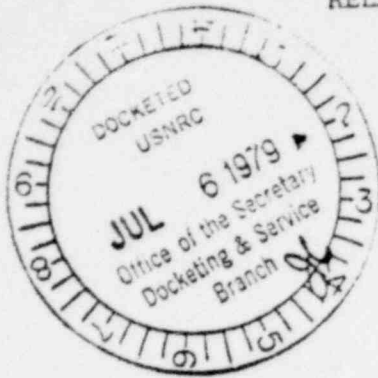
RELATED CORRESPONDENCE

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July 2, 1979

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Mr. Lester Kornblith, Jr.
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Dr. Frederick P. Cowan
6152 N. Verde Trail
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Boca Raton, Florida 33433

Re: Consumers Power Company
(Midland Plant, Units 1 and 2)
Docket Nos. 50-329, 50-330

Gentlemen:

Enclosed are three interim reports submitted by Consumers Power Company to the Nuclear Regulatory Commission pursuant to 10 C.F.R. §50.55(e). The report concerning the settlement of the diesel generator foundations and building includes an attachment which references certain figures, drawings and charts; copies of these attachments will be provided to members of the Atomic Safety and Licensing Board and any party upon request.

Very truly yours,

Martha E. Gibbs

Martha E. Gibbs

MEG bc
cc: Service List
Enclosures

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**Consumers
Power
Company**



RELATED CORRESPONDENCE

Stephen H. Howell
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June 25, 1979
Howe-174-79

Mr J G Keppler, Regional Director
Office of Inspection and Enforcement
US Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

MIDLAND NUCLEAR PLANT
UNIT NO 1, DOCKET NO 50-329
UNIT NO 2, DOCKET NO 50-330
SETTLEMENT OF DIESEL GENERATOR FOUNDATIONS AND BUILDING

References: 1. S H Howell letters to J G Keppler; Midland Nuclear Plant;
Unit No 1, Docket No 50-329; Unit No 2, Docket No 50-330;
Settlement of Diesel Generator Foundations and Building;

- (a) Serial Howe-183-78; dated September 29, 1978
- (b) Serial Howe-230-78; dated November 7, 1978
- (c) Serial Howe-267-78; dated December 21, 1978
- (d) Serial Howe-1-79; dated January 5, 1979
- (e) Serial Howe-58-79; dated February 23, 1979
- (f) Serial Howe-132-79; dated April 30, 1979

- 2. G S Keeley letter to J G Keppler; Midland Project -
Docket No 50-329 and 50-330; Response to 10 CFR 50.54 -
Request on Plant Fill; Serial 6925; dated April 24, 1979

This letter, as were references 1 (a) through (f), is an interim 50.55(e)
report on the settlement of the diesel generator foundations and building.

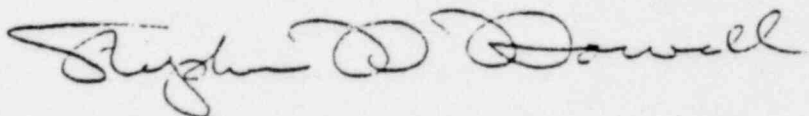
The enclosure (NCAR 24, Interim Report #6) provides detailed supplemental
information to reference 2 in regard to remedial actions planned for fill
under category 1 structures where the soil investigation has revealed that
the fill has not been adequately compacted. The preparation of the enclosed
Interim Report (dated June 11, 1979) was timed to allow NRR review prior to
the meeting scheduled for July 10, 1979 in Bethesda. Subsequent to the
preparation of the Interim Report, the remedial actions contained therein
have undergone continuing design reviews, including an evaluation by
Doctors Peck, Hendron and Davisson. Alternatives to the remedial measures
presented in the Interim Report are presently being considered including the
use of a permanent dewatering system in lieu of the chemical grouting of
sands to eliminate any potential for liquefaction.

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With respect to the temporary air line in the tank farm area which was leaking, several actions have been taken or will be taken. The temporary line has been abandoned in place with a new temporary line installed in the steam tunnel. The top three to four feet of soil will be removed prior to resuming backfill, the tank farm area has been mapped to locate all seepage areas, and an engineering evaluation will be made to determine the condition of the fill material. An inspection pit will be dug in the vicinity of the leak. The above was in progress or planned and was discussed during the NRC inspection exit meeting of May 17, 1979.

Another interim report will be sent on or before September 5, 1979.



Enclosure: MCAR 24, Settlement of the Diesel Generator Foundations and Building, (Insufficient Compaction in Plant Area Fill Related to Seismic Category I Structures and Facilities), Interim Report #6, dated June 11, 1979

CC: Director, Office of Inspection & Enforcement
Att: Mr John G Davis, Acting Director, USNRC (15)

Director, Office of Management
Information and Program Control, USNRC (1)

BCC: JLBacon, M-1085A
WRBird, JSC-216B
RLCastleberry, Bechtel AA
TCCooke, Midland
JLCorley, Midland
LADreisbach, Bechtel-Midland
DEHorn, Midland
CAHunt, P14-209B
GSKeeley, P14-408B
MJKoschik, M-890A
BWMarguglio, JSC-220A
PAMartinez, Bechtel AA
DEMiller, Midland
JFNewgen, Bechtel-Midland
✓ MJSibbs, IL&B
Route: BWM/SHH/File 0.4.9.20

Bechtel Associates Professional Corporation

SUBJECT: MCAR 24 (issued 9/7/78)

Settlement of the Diesel Generator Foundations and Building
(Insufficient Compaction in Plant Area Fill Related to
Seismic Category I Structures and Facilities)

INTERIM REPORT 6

DATE: June 11, 1979

PROJECT: Consumers Power Company
Midland Plant Units 1 & 2
Bechtel Job 7220

Introduction

The soil investigation under Seismic Category I structures founded on plant area fill has been completed. It has been identified that the fill under some of these structures has not been adequately compacted. This report summarizes the soil investigation and describes the details of remedial actions planned for portions of the auxiliary building, the feedwater isolation valve pits, the part of the service water pump structure founded on insufficiently compacted backfill, the Seismic Category I storage tanks on fill, and the diesel generator building. The current status of the diesel generator building settlements is also included in this report.

Auxiliary Building and Feedwater Isolation Valve Pits

Parts of the auxiliary building are founded on plant area fill. They are the railroad bay on the north side, and electrical penetration areas for Units 1 and 2 and the control tower on the south side. The rest of the building is founded on glacial till. The areas founded on plant area fill and glacial till are identified in Figures 63 and 64. The feedwater isolation valve pits for both Units 1 and 2 are founded on plant area fill. The feedwater isolation valve pit plans are shown in Figure 63 and a cross section is shown in Figure 70.

A) Auxiliary Building Electrical Penetration Areas, Control Tower, and Feedwater Isolation Valve Pits

1) Sequence of backfill placement

Due to the variation of foundation conditions, the fill in this area was placed in stages. Some of the auxiliary building pits and concrete mudmats were placed during construction. Due to the sequence of fill placement, the following follows.

DUPLICATE DOCUMENT

Entire document previously
entered into system under:

AND

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No. of pages:

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