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APPLICANT: CONSUMERS POWER COMPANY

FACILITY: MIDLAND UNITS 1 AND 2

SUMMARY OF MEETING ON SPECIFICATIONS FOR CONCRETE MATERIALS

On July 8, 1974 members of the Regulatory staff met in Bethesda, Maryland with representatives of Consumers Power Company (CPC), Bechtel Associates Professional Corporation (BAPC) and Bechtel Power Corporation (Bechtel). The purpose of the meeting was to discuss specifications for concrete and the results of tests performed on aggregate and finished concrete. Seismic category I structures now being constructed with this concrete include the interior walls of the auxiliary building and the base mat for unit I containment building.

At the meeting, Bechtel presented samples of washed and unwashed aggregate and strength test cylinders and explained the data and test results. Sieve analyses of the aggregate showed the fines content of some samples to be as high as 2.3% and the average was approximately 1.7%. The American Society for Testing Materials specification C33 (ASTM-C33) permits fines up to 1.5%. The proposed ASTM-C33 would permit higher fines content provided the strength tests showed good results.

The applicant also presented the results of strength tests that showed that the strength of concrete made with unwashed (high Fines) aggregate was equal to or greater than the strength of concrete made from washed aggregate.

There was a discussion of the preparation of trial concrete mixes compared to the batch plant operation and the quality assurance functions pertinent to concrete production. No facts were presented that would indicate inadequate quality assurance.

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The information presented did not indicate that concrete pouring should be interrupted. However, the staff requested a complete and prompt submittal of all available information for further evaluation. The applicant stated that a complete report would be filed in three weeks.

An attendance list is enclosed.

Original Signed by

S. D. Mackay, Project Manager
LWR Branch 2-3
Directorate of Licensing

Enclosure:
Attendance List

DISTRIBUTION

Docket
AEC PDR
L Reading
RP ADs
RP BCs
S. Varga
D. Eisenhut
J. Hendrie
TR ADs
TR BCs
F. Miraglia EP
OGC
RO(3)
E. Goulbourne
ACRS (16)
S. Mackay

OFFICE	LWR 2-3								
SURNAME	S. Mackay:ad								JB
DATE	8/14/74								

MEETING WITH CONSUMERS POWER COMPANY
MIDLAND UNITS 1 AND 2
JULY 8, 1974

Attendance List

Atomic Energy Commission

S. MacKay
L. Beratan
A. Gluckmann

Bechtel Associates Professional Corporation (Ann Arbor)

P. Martinez
D. Haavik

Bechtel Power Corporation

D. Grote

Consumers Power Company

M. Hanson
R. Bauman
C. Hunt