



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

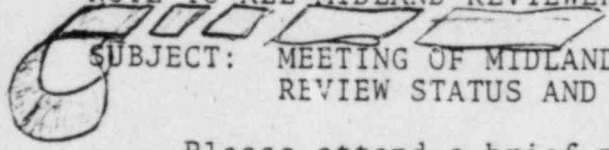
D. Hillen

NOTICE

SEP 6 1978



NOTE TO ALL MIDLAND REVIEWERS



SUBJECT: MEETING OF MIDLAND TECHNICAL REVIEWERS ON PROJECT
REVIEW STATUS AND COORDINATION MATTERS

Please attend a brief meeting in Room P-114, September 7, 1978, 2:00 PM - 3:30 PM to review overall project status of the Midland safety review. Each of you will be asked to summarize (briefly, please) your review status with special emphasis on problem areas affecting your review schedule and any areas where coordination among branches or the applicant needs attention.

*Schedule: SER MARCH 79
Q2 on remaining outstanding data
need Sept 13 meeting Oct*



**Darl Hood, Project Manager
Light Water Reactors Branch 4
Division of Project Management**

Attend Oct 20

Need one date for Q2

*Heard
PDR-*

*Mean Sinclair
Mr. Hillen - PDR - will accept interviews*

Q-25
8-4-76

MIDLAND SITE VISIT MAY 1 & 2

What to see: Dike System -

- Erosion protection w/ Ted
(re-rooted stream erosion possible)

% complete? Main Structures - any fwd. construction evident?

will anticipate ^{Q-25} monitoring of Cat I Pump house? Differential settlement of Pump house & Piping \Rightarrow what stress can pipes take - max diff. allowable \Rightarrow connection details (when connected & how)

- ** - Cat I ^{pipe} cross sections & plans; embedment characteristics?

✓ What To Discuss: Deep settlement monitoring? Sus ^{case} for Cardinal future of monitoring program

- When will comparison of measured settlement to predicted be submitted?

- Pipelines & Pump house (above)

- Schedule for providing sections showing development of phreatic surface

✓ across UHS - Any plans to monitor elevations (slope failure, siltation)

✓ - UHS : Any analysis of slope
found in associated ~~and~~

- Settlement monitors
info - next amendment 1/81

- Check ER for monitoring info
- will pull in FSAR statement on
monitoring of UHS for sitation

Q-2

Meeting Monday March 5, 1979 9:30 am

NRC Region III Glen Ellen, Illinois

Pre-Meeting w/ ^{J.S.} Keppler, Gallagher etc.

— summary of previous meeting w/ Consumers Power at which I&E presented their concerns resulting from the investigation

— ~~THE~~ Today's meeting not intended to be a decision-making meeting, merely Consumers response to the investigation

— Heller - case of extensive monitoring & fix vs starting over

Introductory Remarks - Keppler

Howell - VP Consumers Power

- Submittal of Preliminary Consumers Power Response Report 3-5-79

- pointing point discussion of Consumers response

- Summary

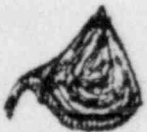
Q-1: How would you (Consumers) write conclusions to I&E findings?

A: Conclusions should be more specific - not broad as I&E's.
will respond further in few days.

Q-2: What is it that makes the DG beds sink?

A: Poorly compacted fill. ⇒ why? effort underway (several months)

Q-3: What is condition of fill under other Cat I Beds?



1. Results of Instrumentation

A. Pipe Profile Settlement Gage (get copy)

- indicates large deflections & elevation changes in monitored
pipelines

i.e.

Plans for Service Water Pump House

- Violator of Specs 1

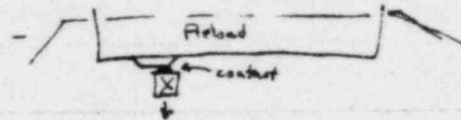
Plant area fill Zone 2 reviewed via section 12.5

12.5 ⇒ "The gradation and distribution of materials throughout each zone of the embankment shall be such that the embankment will be free from lenses, pockets, streaks, and layers of material differing substantially in texture or gradation from surrounding material of the same zone."

Site Visit Midland Tuesday March 6th

Informal Meeting w/ Site Personnel

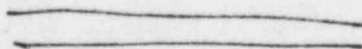
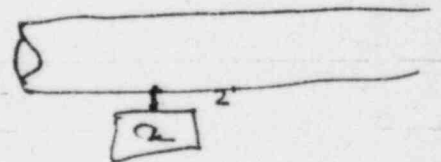
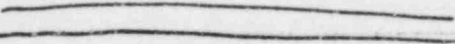
- D. Gen. Bldg. - summary of lines (For Hafis)
- duct bank - release - settlement-time curves
- cut condensate lines at turbine bldg. interface (when cut - 1 moved down, some moved horiz)
- concrete encasement of condensate lines
 - can it crack?
- 10' of Pileload is complete as of 3-3-79



marginal vs. terrible

question of gap under wings of aux bldg. ⇒ Austin says very possible

- Only instrumentation in place ^{now} is at dG Bldg
- instrumentation in other areas (tank farm) was destroyed - will begin to be replaced on Thursday 3-8-79



TUES. MAY 22 1974

MEETING WES of Larry McNamee
Stan Johnson

Subject: Potential assistance or review of Midland settlement of
Plant Fill

- Presentation of scope of work under NRC agreement w/ OCE
NRC Agree # 03-77-0017
03-77-0002

- Contract vs Purchase Order (Lapod)

- Purchase Order

for initial review & recommendations

=> possible contract

Site visit - (5 days)

ESAR review

New info review

Report (letter)

} Standdown effort

- Presentation of Outline of Problem Areas & proposed
remedial work



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JUN 1 1979

Docket Nos.: 50-329
50-330

MEMORANDUM FOR: Steven A. Varga, Chief, Light Water Reactors Branch No. 4,
Division of Project Management

FROM: Darl Hood, Project Manager, Light Water Reactors Branch
No. 4, Division of Project Management

SUBJECT: FORTHCOMING TRIP TO OBSERVE TEST PITS IN MIDLAND PLANT FILL

Date & Time: Thursday, June 7, 1979
8:30 a.m.

Location: Plant Site
Midland, Michigan

Purpose: To observe test pits in fill at Midland Plant, Units 1 & 2

Participants: NRC

J. Knight
L. Heller
F. Schauer
P. Gillen
G. Gallagher (I&E)

Consumers Power Company

D. Miller

DARL HOOD

Darl Hood, Project Manager
Light Water Reactors Branch No. 4
Division of Project Management

cc: See next page

~~79-071-30057~~

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JUN 1 1979

MEETING NOTICE DISTRIBUTION

Docket File
NRC PDR
Local PDR
TIC
Branch LWR#4 File
NRR Reading
H. Denton
E. Case
D. Crutchfield
D. Bunch
R. Boyd
R. Mattson
R. DeYoung
D. Muller
D. Ross
D. Vassallo
D. Skovholt
W. Gammill
F. Williams
J. Stolz
R. Baer
O. Parr
S. Varga
P. Collins
T. Speis
W. Haass
C. Heltemes
ACRS (16)
L. Crocker
H. Berkow
Project Manager D. Hood
Attorney, ELD
IE (3)
SD (7)
Licensing Assistant M. Service
Receptionist
L. Rubenstein
L. Soffer

J. Knight
S. Hanauer
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G. Chipman
R. Houston
J. Collins
W. Kreger
G. Lear
M. Spangler
V. Benaroya
L. Hulman
H. Ornstein
J. LeDoux, IE
Principal Staff Participants :
J. Knight
L. Heller
F. Schauer
~~P. Gillen~~
G. Gallagher, I&E
R. Cook, I&E Region III