



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

SEP 23 1983

MEMORANDUM FOR: Richard H. Vollmer, Director
Division of Engineering

FROM: James P. Knight, Assistant Director
for Components & Structures Engineering
Division of Engineering

SUBJECT: MIDLAND

This is in response to your note of August 15, 1983 asking if any members of my staff, or our consultants, share R. Landsman's concerns that the Midland diesel generator building is inadequate for its intended service and whether they share any of his specific technical concerns.

A task group, including consultants from Brookhaven National Laboratory (BNL), was formed under the supervision of Dr. P. T. Kuo of the NRC staff to conduct a reevaluation of the staff's position with regard to acceptance of the Midland diesel generator building. Upon receiving Dr. Landsman's statement of concerns, dated July 19, 1983, members of the Midland review staff, and consultants named below, were given copies of Dr. Landsman's memo. Their initial reactions were that Dr. Landsman's statement contained no new information and that their previous sentiments, as discussed further below, remained unchanged. On September 8, 1983, the task group consisting of Dr. Kuo, Dr. C. P. Tan and Mr. N. Romney of the NRC staff, with the assistance of Drs. C. A. Miller, C. J. Constantino and A. J. Philippacopoulos of BNL, conducted individual interviews with Mr. J. Kane, NRC staff, Dr. L. Heller, NRC staff, and Mr. H. Singh, Corps of Engineers, and a group interview with Mr. F. Rinaldi of the NRC staff, Mr. J. Matra of the Naval Ordnance Laboratory and Dr. G. Harstead of Harstead Associates. These individuals represent to the best of our knowledge all members of the NRC staff and our consultants who were principally involved in the review activities associated with the Midland diesel generator building. As you know, the task group solicited all information and opinions related to the diesel generator building in addition to comments on Dr. Landsman's statement.

The results of all interviews conducted in this effort are being compiled as a part of the overall task group report which is scheduled to be completed in October, 1983. It is my understanding that the sentiments expressed by these individuals were essentially the same sentiments contained in the staff and consultant testimony before the Atomic Safety & Licensing Board; Mr. Rinaldi, Mr. Matra, Dr. Harstead, Mr. Kane and Mr. Singh were among the staff and consultant witnesses on this matter. Although Dr. Heller, Mr. Kane and Mr. Singh were not satisfied with certain aspects of the analyses performed by the

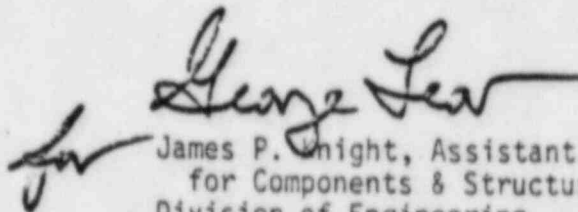
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SEP 23 1983

applicant, and some of these same aspects were echoed by Dr. Landsman in his July 19, 1983 statement, none of these individuals have made a final assessment as to the acceptability of the diesel generator building for its intended service because they feel that the basis for such a judgement is incomplete.

Consistent with the hearing record, Dr. Harstead, Mr. Matra and Mr. Rinaldi reiterated their judgement that the diesel generator building was structurally acceptable for service, i.e., would remain structurally functional under design loading conditions.

The task group met with representatives of the applicant at the offices of Bechtel Corporation in Ann Arbor, Michigan and went to the site on August 24 & 25, 1983. The task group returned to the Bechtel offices in Ann Arbor on September 12 & 13, 1983 for a further audit of the calculations employed to investigate the predicted performance of the diesel generator building. Both of these meetings were preannounced public meetings; however, there was no attendance by members of the public. Dr. Landsman was also interviewed by the task group on September 13, 1983.



James P. Knight, Assistant Director
for Components & Structures Engineering
Division of Engineering

Enclosure:

R. Vollmer's Note to J. Knight
dated August 15, 1983

cc w/encl:
H. Denton
D. Eisenhut
T. Novak
E. Adensam
G. Lear
D. Hood
L. Heller
P. T. Kuo
F. Rinaldi
J. Kane



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

August 15, 1983

NOTE TO: Jim Knight

With respect to the Landsman issue, I would like to know if any of your staff or consultants share Landsman's concerns that the Midland Diesel Generator Building is inadequate to return to service from a safety point of view, i.e., inability to meet design requirements. I would also like an answer to the broader question: do they share any of his specific technical concerns even though their bottom line judgment would be that the building is safe for operation.

I would like to discuss this with you on August 22nd.

A handwritten signature in cursive script, appearing to read "R. Vollmer", with a long horizontal line extending to the right.

R. Vollmer

~~8210130269~~



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

OSC

OCT 5 1983

MEMORANDUM FOR: D. G. Eisenhut, Director, Division of Licensing, NRR
FROM: R. F. Warnick, Director, Office of Special Cases
SUBJECT: RECOMMENDATION FOR NOTIFICATION OF LICENSING BOARD

In accordance with present NRC procedures regarding Board Notifications, the following information is being provided as constituting new information relevant and material to the Midland OM/OL proceedings. This information deals with the licensee's September 28, 1983, decision to stop all "Q" soil drilling and pile driving imposed as a result of unknowingly drilling into structural concrete. The pertinent facts that relate to the stop work are as follows:

1. On September 20, 1983, the licensee began drilling piezometer BB-1 which is located in the control tower area near the main auxiliary building.
2. On September 22, 1983, concrete was encountered at El. 594.3. Drilling was temporarily stopped until approval was obtained to resume based on existing borings which indicated a six inch concrete working slab at that elevation.
3. On September 23, 1983, concrete was encountered at El. 583.5. Drilling was temporarily stopped until approval was obtained to resume based on existing borings which indicated ten feet of lean backfill concrete at that elevation.
4. On September 26, 1983 steel was encountered at El. 581.3. Drilling was temporarily stopped until approval was obtained to resume based on the assumption that the steel in question was scrap.
5. On September 27, 1983 the steel was cored through, retrieved and found to be one #6 reinforcing bar and one #11 reinforcing bar. Cognizant individuals thought that there was a good possibility that this rebar had been used to reinforce the concrete backfill because of a crane mat used during earlier construction at that approximate location.
6. On September 27, 1983, more steel was encountered at El. 580.1. Drilling was stopped and this time a more thorough review of drawings was made. It became obvious that they had not drilled into fill concrete with added rebar, but into a structural strongback attached to the south side of the auxiliary building H-Line wall.

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OCT 5 1983

- 7. On September 28, 1983, the licensee issued Stop Work Order No. FSW-32 which stopped all "Q" soil drilling and pile driving.
- 8. On September 29, 1983 the NRC was informed of this stop work. At this time all work remains stopped pending adequate corrective action to preclude drilling into structural concrete. This action includes revising the procedure to include a review of structural drawings and not just buried utility drawings. Also retraining to the new procedure will be accomplished. All completed excavation permits will be reviewed to determine whether structural concrete has been hit in the past and discounted as lean concrete.

If you have any questions or desire further information regarding this matter, please call me.

"Original signed by R. F. Warnick"

R. F. Warnick, Director
Office of Special Cases

- cc: A. B. Davis
 J. J. Harrison
 R. N. Gardner
 R. B. Landsman
 R. J. Cook

RIII
JJA for
 Landsman/db
 10/05/83

RIII
JJA for
 Gardner
 10/05/83

RIII
JJA
 Harrison
 10/05/83

RIII
RFW
 Warnick
 10/5/83



UNITED STATES
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 WASHINGTON, D. C. 20555

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File by BN file

PRINCIPAL STAFF	
RA	ENF
D/RA	SCS
A/RA	FAO
DPRP	SL/
DE/RA	SC
DRMFP	
DE	
ML	
OL	

Docket Nos.: 50-329 OM, OL
 and 50-330 OM, OL

MEMORANDUM FOR: The Atomic Safety and Licensing Board for the Midland Plant, Units 1 and 2

FROM: Thomas M. Novak, Assistant Director
 for Licensing
 Division of Licensing
 Office of Nuclear Reactor Regulation

SUBJECT: SCHEDULE FOR COMPLETION OF RE-REVIEW OF THE MIDLAND DIESEL GENERATOR BUILDING (BN 83-142)

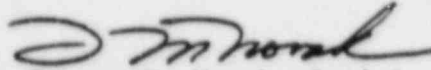
On July 27, 1983, Board Notification 83-109 transmitted the NRC staff plan to address the concerns of Dr. Ross Landsman of Region III regarding the structural adequacy of the Midland Diesel Generator Building (DGB). Enclosures 1, 2 and 3 to that Notification provided respectively: (1) a discussion of the Region III and NRR activities in this regard; (2) Dr. Landsman's written statement of his concerns and; (3) a detailed NRR action plan, including the schedules for completion of the effort.

This Board Notification 83-142 further supplements the information regarding the DGB re-evaluation. As with the original Notification, this updated information is provided in accordance with NRC procedures regarding Board Notifications and is deemed as information material and relevant to safety issues in the Midland OM/OL proceeding. Specifically, the re-evaluation effort is relevant to: (1) concerns expressed by Dr. Landsman in the OM - OL hearing and elsewhere regarding the adequacy of the Diesel Generator Building and; (2) testimony by members of the NRC staff and staff consultants during the December 10, 1982 hearing session regarding the Diesel Generator Building.

The enclosure contains a memorandum from D. G. Eisenhut to R. H. Vollmer accepting a delayed schedule for completion of the review of Dr. Landsman's concerns. Attachments to the Eisenhut memorandum include the Vollmer to Eisenhut memo noting the need for the delay in the schedule which was provided in BN 83-109. The Vollmer memo notes that issuance of the task force's findings will be delayed from September 28, 1983 (i.e. 45 working days after receipt of Dr. Landsman's statement) to October 15, 1983. The Vollmer memo also includes a revised work plan. The events shown through September 13, 1983 have been completed as scheduled. The discussions with various individuals on September 8 and 13, 1983 were in accordance with the task force's role to interview concerned individuals. Although not shown,

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the individuals with whom the task force met on September 8, 1983 also included H. Singh of the U.S. Army Corps of Engineers. A second attachment to the Eisenhut memo is a letter from B. Garde of the Government Accountability Project expressing concerns related to the task force review.



Thomas M. Novak, Assistant Director
for Licensing
Division of Licensing

Enclosures:
As stated

cc: Licensee/Boards Service List
SECY
OGC
OPE

DISTRIBUTION LIST FOR BOARD NOTIFICATION

(BN 83-142)

Midland Units 1&2,
Docket Nos. 50-329/330

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Board Panel

Atomic Safety and Licensing
Appeal Panel

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MIDLAND (For BNs)

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

SEP 20 1983

MEMORANDUM FOR: Thomas Novak, Assistant Director for Licensing
FROM: Darrell G. Eisenhut, Director
Division of Licensing
SUBJECT: BOARD NOTIFICATION FOR MIDLAND

I have determined that the attached correspondence concerning a new schedule for the review of the Landsman concerns should be transmitted to the Board and parties for Midland according to the procedure of Office Letter No. 19. Your transmittal should include both enclosures to my memorandum to Vollmer.

Issue this as Board Notification 83-142.

Darrell G. Eisenhut, Director
Division of Licensing

Enclosure:
As Stated

cc: E. Adensam
D. Hood

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

ENCLOSURE 1

SEP 20 1983

MEMORANDUM FOR: Richard H. Vollmer, Director
Division of Engineering

FROM: Darrell G. Eisenhut, Director
Division of Licensing

SUBJECT: EVALUATION OF THE LANDSMAN CONCERNS FOR MIDLAND

Your letter of September 8, 1983 (Enclosure 1) provided a revised schedule for the DE work plan regarding the Landsman concerns. While I find the proposed schedule acceptable I feel compelled to emphasize that we must ensure that no further slippage occurs.

I am also in receipt of a letter from Billie Garde (Enclosure 2) that indicates their understanding that several staff members had "strong feelings about the approval by the DGB resolution." Please consider this letter in your ongoing review.

Darrell G. Eisenhut, Director
Division of Licensing

- Enclosures:
1. Vollmer memo to DGEisenhut
8/8/83
 2. B. Garde to DGEisenhut
7/19/83

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