

OCT 2 - 1978

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MEMORANDUM FOR: S. Varga, Branch Chief for Light Water Reactors
Branch No. 4, DPM

FROM: R. M. Satterfield, Chief, Instrumentation and Control
Systems Branch, DSS

SUBJECT: MIDLAND PLANT, UNITS 1 & 2, FIRST ROUND QUESTIONS

Plant Name:	Midland Plant Units 1 & 2
Docket Nos.	50/329/333
Licensing Stage:	Operating License
Milestone No.	05-22
Responsible Branch:	LWR #4
Project Manager:	Darl Hood
Requested Completion Date:	9/15/78
Review Status:	Complete

The enclosed list of questions was prepared by the DSS:PS, ICSB for transmittal to the applicant. The questions are the result of our review and evaluation of the applicant's FSAR through Revision 12 for the Midland Plant, Units 1 & 2.

Our evaluation of the Midland design is based on the guidance of the Standard Review Plan, applicable IEEE Standards, Regulatory Guides, Technical Positions and compliance with sections of 10 CFR 50 relevant to the ICSB's area of responsibility.

Major Areas of Concern Are:

1. Qualification of safety-related equipment
2. Identification and justification of final designs which differ from the designs approved during the construction permit review.
3. Conformance to required safety criteria.
4. Missing FSAR information which is stated to be provided at a later date.
5. Separation criteria

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6. Effects of the process steam transfer system on the consequences of the steam line break accident.
7. Determination of requirements for safe shut down.
8. Identification and requirements for alarms needed to initiate operator actions.
9. Assurance that the reactor protection system will offer adequate protection against all failure modes of the Integrated Control System.

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RODNEY S. SATTERFIELD

R. M. Satterfield, Chief
Instrumentation and Control Systems
Branch, Division of Systems Safety

Enclosure:
As Stated

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DATE	9/24/78	10/2/78	10/2/78			