

JUN 14 1977

MEMORANDUM FOR: S. A. Varga, Chief, LER Branch #4, DPM
FROM: E. J. Bosnak, Chief, Mechanical Engineering Branch, DSS
SUBJECT: REVIEW OF PROPOSED CRITERIA FOR PIPE BREAKS WITHIN
MIDLAND PLANT PRIMARY CONTAINMENT (TAC 4575)

Docket Nos.: 50-329, 50-330
Review Branch: MEB

The MEB has reviewed the subject criteria proposed by the applicant for postulating pipe breaks in the main reactor coolant piping of the Midland 1, 2 systems.

Results of our review indicate that the proposed criteria is generally consistent with MEB technical position as reflected in the current proposed revision to section 3.6.2 of the HRC SRP. For completeness and clarification paragraph 2.2 of the proposed criteria should be augmented by incorporating the following additional guidelines:

If a circumferential break is postulated at a nonaxisymmetric fitting (such as a tee or elbow), without the benefit of a detailed stress analysis, longitudinal breaks should also be postulated to occur

- (a) out of the plane of an elbow oriented non-concurrently at two diametrically-opposed points on the circumference in the middle of the elbow.
- (b) out of plane of a tee oriented non-concurrently at two diametrically-opposed points in the middle of the tee run section.

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E. J. Bosnak, Chief
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Docket Files 50-329 & 330
NRR Reading File
DSS:MEB File

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APPROVED BY	J. Kovacs, SS	DSS:MEB JMKovacs:1a	DSS:MEB HLBrammer	DSS:MEB RJBosnak		
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