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unique applicability to use of that model for the Y-R core were discussed in this June 24 meeting and are summarized below.

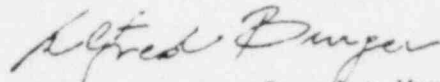
- Y-R plans to reference the H. B. Robinson (HBR) break nodalization sensitivity study if parameters are in the same approximate range. If not, the sensitivity study will be performed for Y-R. YAEC plans to perform a time step sensitivity study, and will perform a burn-up sensitivity study (see June 23 meeting minutes) if necessary. Other sensitivity studies will be referenced to studies previously performed with WREM. We believe the June 23 meeting minute's comments on referencing previous WREM sensitivity studies are equally applicable to Y-R (i.e., justification must be provided, but in our opinion such justification is possible).
- YAEC plans to perform large break calculations with Moody multipliers of 1.0, 0.6, and 0.4 (the latter approximately equivalent to a 1.0 ft² break area) plus analyses of split breaks with 1.0 ft² and 0.5 ft² areas. No small break analyses are planned. YAEC plans to reference previous analyses which have shown that small breaks are not limiting in the Y-R reactor. Previous analyses will also be referenced for other break analyses (hot leg, pump suction, big split) which have shown those postulated breaks to be non-limiting.

We pointed out that we agree technically with the argument that a shift to the WREM model won't change the worst break location and size. However, we emphasized that YAEC must make the argument why this is so. That argument must contain the technical reasons why the Y-R reanalysis package complies with the requirements of our Reactor Systems Branch position regarding analysis requirements. These arguments and justifications should be submitted as soon as possible to us to make an early determination regarding acceptability of the proposal.

- Any model proposed for FLECHT data use must be shown to properly predict the FLECHT data when FLECHT test geometry is used in the model.
- Data are needed for small rods. Application of 15 x 15 FLECHT data to smaller rods is allowable with a 0.8 multiplication factor in conjunction with a commitment to obtain small rod data within a reasonable period of time.
- If a radiation heat transfer model is used, enough geometries will have to be calculated to insure that the maximum temperature pin is calculated. HUXY is appropriate, if it is demonstrated that strain is occurring in such a manner as to give conservative view factors.
- YAEC plans to reference the YAEC-1071 report to justify use of a 0.87 gamma smearing term.

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- Y-R cannot tolerate certain passive fluid system failures and still meet the requirements of Appendix K. However, YAEC believes such criteria are not required to be met for Y-R.
- We inquired about YAEC's justification for use of the liquid carryout rate fraction data obtained from 12 foot test assemblies for 91 inch assemblies in Y-R.



Alfred Burger, Project Manager
Operating Reactors Branch #1
Division of Reactor Licensing

Enclosure:
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Docket File
50-29

Mtg. Summary for Yankee-Rowe

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