

UNITED STATES GOVERNMENT

Memorandum

TO : K. R. Goller
Test & Power Safety Branch, DRL

FROM : R. J. Impara *RJ Impara*
Technical Assistance Branch, SS

SUBJECT: PEACH BOTTOM EMERGENCY COOLING

DATE: September 3, 1964

As we have discussed I've completed a rough, preliminary one-dimensional analysis of the temperature patterns from the cooling coils inward to the outer core boundary for the loss-of-coolant accident. My results are comparable to those reported in the FHSP, but with some significant differences.

From this analysis it is obvious that the selection of the appropriate detailed geometric model as well other input parameters such as power level and distribution, thermal properties of materials, emissivity of surfaces etc. will have a strong bearing on the results obtained. Since there can be a great deal of latitude in the choice of these input quantities, I believe a critical evaluation of the overall analysis actually performed by the applicant would be worthwhile. Information to infer any specifics regarding this analysis is not included in the reports which have been submitted, nor are references given.

cc: J. J. DiNunno, SS
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