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DEC 15 1980

MEMORANDUM FOR: Thomas Novak, Assistant Director for Operating Reactors,
Division of Licensing

FROM: Paul S. Check, Assistant Director for Plant Systems,
Division of Systems Integration

SUBJECT: QUESTIONS ON NEDO-24085-1, "LOSS-OF-COOLANT ACCIDENT ANALYSIS
REPORT FOR MILLSTONE UNIT 1 NUCLEAR POWER STATION" (TAC 42822)

The Reactor Systems Branch is reviewing NEDO-24085-1 as part of the reload #7 review for Millstone-1. Responses to the enclosed questions are needed for us to complete our review. Although the reload package was submitted in September, Reactor Systems was not asked to participate in the review until the last week of November. Therefore, this is an expedited review and the questions have been informally transmitted to the licensee through the project manager to facilitate a rapid response.

Original signed by
Paul S. Check

Paul S. Check, Assistant Director
for Plant Systems
Division of Systems Integration

Enclosure:
As stated

cc: T. Speis
G. Mazetis
B. Sheron
V. Panciera
J. Shea
W. Hodges

Contact: W. Hodges
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DATE	12/2/80	12/ /80	12/10/80	12/ /80	



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

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W. Johnston

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Questions on NEDO-24085-1

- 1) Are 3 or 4 SRV's assumed operable for the LOCA analysis? If 4, provide curves showing the improvement in going from 3 to 4.
- 2) Discuss input values which cause MAPLHGR slope to change drastically beyond 30,000 MWD/T burnup.
- 3) Fig. 2, p. 5-4 shows no apparent change in slope between adiabatic heat-up period following uncover of high power axial planes and period with spray cooling. Please explain.
- 4) Fig. 9, p. 5-11/12 shows "kinks" in PCT curve during adiabatic heat-up period. Please explain.