

MAY 17 1982

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

FROM: William V. Johnston, Assistant Director
Materials & Qualifications Engineering
Division of Engineering

SUBJECT: TMI NO. 1, REACTOR COOLANT INSPECTION, FOR
REQUALIFICATION, SUBSEQUENT TO SULFUR INTRODUCTION

Subsequent to the determination of sulfur induced steam generator tube degradation at TMI No. 1, GPUNC established a task force to evaluate the problem. The GPUNC task force has seven separate tasks.

1. Failure analysis
2. Long term repair
3. Tube plugging evaluation
4. Eddy current test program
5. Plant performance review, with selected repairs
6. Steam generator plugging criteria
7. Primary system inspection and requalification

On May 4, 1982 GPUNC submitted their proposed reactor coolant system inspection and requalification program (Task 7: BAW-1727, April 16, 1982).

We have evaluated the RCS inspections and requalification program as delineated in BAW-1727 (April 16, 1982) and we find that it is adequate to determine the suitability of the RCS for continued use. In the event the inspection program reveals corrosion attributable to sulfur attack, additional inspections may be necessary.

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We have the following specific comments on the inspection program:

1. More thorough characterization of the seal ring destructive examination is necessary to demonstrate that the most susceptible areas have been examined.
2. The conflict that exists between page 9-1 and 10-4, which quote internals heat threats of 825°F and 850°F should be reconciled.

We will review the results of the proposed inspection program prior to restart.

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