

Nuclear

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4410-84-L-0010

January 27, 1984

TMI Program Office
Attn: Mr. L. H. Barrett
Deputy Program Director
US Nuclear Regulatory Commission
c/o Three Mile Island Nuclear Station
Middletown, PA 17057

U.S. NUCLEAR
REGULATORY COMMISSION
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Dear Mr. Barrett:

Three Mile Island Nuclear Station, Unit 2 (TMI-2)
Operating License No. DPR-73
Docket No. 50-320
Once Through Steam Generator Layup Recirculation System

Attached for your information is an amendment to the annual update to the Technical Evaluation Report (TER) for the Once Through Steam Generator (OTSG) Layup Recirculation System which was originally transmitted to you via GPUNC Letter 4410-83-L-0272 dated November 29, 1983. The purpose of this amendment is to provide GPUNC's resolution to the comment expressed in your letter NRC/TMI-84-001 dated January 4, 1984. Your letter requested that Section 3.3, on Page 19 of the OTSG TER with respect to primary and secondary leaks be revised as the action of flushing demineralized water to the OTSG during a steam generator tube leak can cause the leak to go from the secondary to the primary side of the OTSG. This could cause dilution of the boron concentration in the Reactor Coolant System. GPUNC acknowledges this comment and our resolution is attached.

Please contact Mr. J. J. Byrne of my staff if you have any questions.

Sincerely,

B. K. Kanga
B. K. Kanga
Director, TMI-2

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3.2 System Shutdown

To shutdown the system the only actions required are to stop the pump and isolate the system from the Main Steam and Feedwater lines.

3.3 Emergency

The significant emergency that can occur is a line break in the system. The actions to take for a line break are to isolate the system and stop the pump (sandpiper or GR-P-1 as applicable).

If a primary to secondary leak is detected by periodic sampling the system shall be immediately isolated by shutting GR-V1 A/B and GR-V7 A/B. Restoration of the system and affected areas (e.g.: shielding, draining, etc.) will be performed via NRC preapproved procedures.

In the event that system leaks develop, the leakage is either collected or runs to the Control Building area floor drains depending on the source of the leak. If the leak is considered severe enough the system shall be isolated and the leak repaired. If an RCS transient occurs concurrently with a primary to secondary leak the low pressure portion of the system shall be isolated by first shutting GR-V1 A/B and GR-V7 A/B and then installing blank flanges in the flanged connections downstream of GR-V1 A/B and upstream of GR-V7 A/B.

Deputy Program Director
Mr. L. H. Barrett

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January , 1984
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BKK/JJB/RDW/jep

Attachment

CC: Program Director - TMI Program Office, Dr. B. J. Snyder