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ADH

SUBJECT: Updated LER 79-025/01T-1: on 790927, seismic restraints
 GBB-23-S, R-158 & GBB-23-160 & pipe hanger GBR-23-H-152 on
 RHR to fuel pool line were found not intact. Cause attributed
 to water hammer. GBB-23-160 was repaired on 791002.

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Licensee Event Update Report Date: 11-12-80

Reportable Occurrence No: 79-025

EVENT DESCRIPTION

While performing an inspection of RHR piping on September 27, 1979 seismic restraints GBB-23-SR-158 and GBB-23-SR-160 and pipe hanger GBB-23-H-152 on the RHR to fuel pool line were found not intact. An architect engineer seismic analysis was begun on September 28, 1979 to determine if this line would remain operable during a DBE with these restraints out of service. Subsequently, seismic restraint GBB-23-SR-160 was restored to its original configuration on October 2, 1979. The seismic analysis was completed on October 5, 1979 and the results indicated the RHR to fuel pool line would remain operable with GBB-23-SR-160 intact. This occurrence thus compromised the seismic protection of the LPCI system during the period GBB-23-SR-160 was out of service. Reference Technical Specification Paragraph 3.5.A.3. See also, RO Report 77-029.

CAUSE DESCRIPTION

The restraint damage was apparently caused by a water hammer.

CORRECTIVE ACTION

As noted above GBB-23-SR-160 was restored to its original configuration on October 2, 1979. A UT examination was conducted on 16 of 22 of the welds on the RHR to fuel pool line. This examination verified that the integrity of the line was not degraded. A design change has been developed to install an additional valve such that this RHR to fuel pool line will be segregated from the balance of the RHR system. This will eliminate the potential for recurrence of the water hammer problem.