

PRIORITY ATTENTION REQUIRED MORNING REPORT - REGION I OCTOBER 22, 1993

Licensee/Facility:  
Northeast Utilities  
Millstone 2  
Waterford, Connecticut

Notification:  
MR Number: 1-93-0110  
Date: 10/21/93  
SRI PC

Dockets: 50-336  
PWR/CE

Subject: PRELIMINARY MATERIAL TEST RESULTS ON UNIT 2 LETDOWN VALVE  
2-CH-442

Reportable Event Number: N/A

Discussion:

On October 21, the licensee learned of preliminary test results performed at Combustion Engineering on a valve similar to manual letdown isolation valve 2-CH-442. The controlled tests involved drilling into the valve body-to-bonnet gap, sealant injections, and use of a peening tool on the body-to-bonnet split line which essentially duplicated the repair activities which caused the failure of valve 2-CH-442 on August 5, 1993. As the valve was peened, stresses on the valve studs were measured and found to exceed the allowable tensile yield stresses for the stud material. This is a generic concern, because valve peening is routinely performed on valves as part of the sealant injection leak repair process, but its effects on the valve studs may not be adequately considered by vendor and licensee engineering evaluations. The licensee is planning to disseminate the "preliminary" test results to the industry via the Nuclear Network. Combustion Engineering is scheduled to provide the

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licensee a complete report within two weeks.

Regional Action:

The Millstone residents have notified regional and NRR management, and continue to follow this issue.

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