

SUPPLEMENTARY INFORMATION

Report No.: 50-302/82-003/01T-0
Facility: Crystal River Unit 3
Report Date: February 12, 1982
Occurrence Date: January 29, 1982

Identification of Occurrence:

A Reactor Coolant pressure boundary leak was discovered in MUV-43, creating an event contrary to Technical Specification 3.4.6.2.

Conditions Prior to Occurrence:

Mode 1 power operation (84%)

Description of Occurrence:

While performing a visual inspection of MUV-43 for a possible bonnet leak, a circumferential crack was discovered in the valve body, adjacent to the safe end weld on MUV-43, with some through-wall failure. MUV-43 was removed for failure analysis.

Designation of Apparent Cause:

The cause of this event is attributed to thermally induced cyclic fatigue.

Analysis of Occurrence:

There was no effect upon the health or safety of the general public. A more thorough analysis of this event will be provided following completion of design reviews.

Corrective Action:

MUV-43 and related piping will be replaced. Related areas of all four (4) injection lines have been inspected to assess the scope of the problem. No degradation was observed, and B&W is reanalyzing thermal characteristics of all HPI nozzles.

Failure Data:

This is the first occurrence concerning MUV-43, and this is the second event reported under this Specification.

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