NRC FORM 366
(7-77)

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

EXHIBIT A

CONTROL BLOCK: [1] (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

[TN S N P 1] [0 0 - 0 0 0 0 - 0 0] [4] [1 1 1 1] [ ]

[ ] [L] [0 5 0 0 0 3 2 7] [0 5 0 9 8 0] [0 5 2 2 8 0]

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES

The effect of environmental temperature on the setpoints of the main steam safety valves was not taken into consideration in the design analysis. If the valve room temperature dropped below 50°F or went above 120°F, the setpoint variation would exceed the allowable tolerances of ASME Section III code. The consequence of this occurrance is negligible and does not pose a danger to public health and safety.

[C C] [B] [A] [X X X X X X] [X] [Z]

[8 0] [0 4 6] [0 1] [T] [0]

[X X] [Z] [Z] [0 0 0 0] [Y] [N] [Z] [Z 9 9 9]

PRIME COMPONENT FAILURE / CORRECTIVE ACTION

Failure to consider the effects of variations in environment temperature on opening pressure of main steam safety valve procurement specifications or in environmental control system design temperature range. A design evaluation is being performed to determine corrective action required.

[B] [0 0 0] [N/A] [A] Design review

[Z] [Z] [N/A] [N/A]

[0 0 0] [Z] [N/A]

[0 0 0] [N/A]

[Z] [N/A]

[N] [N/A]

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Sequoyah Nuclear Plant

LER SUPPLEMENTAL INFORMATION

SQRO-50-327/8046 Technical Specification Involved 6.9.1.12.1

Reported Under Technical Specification 6.9.1.12.1

Date of Occurrence: 5/9/80 Time of Occurrence: 1006 CDST Unit 1

Identification and Description of Occurrence:

A design review discovered that consideration had not been taken for the effects of varying temperatures in the main steam valve rooms on the setpoints of the main steam safety valves. Analysis showed that variation in the setpoints could exceed the allowable tolerances of paragraph NC-7641.2 of ASME Section III code if the valve room temperatures ran greater than 120°F or less than 50°F. If the room temperatures dropped below 50°F the possibility exist that auxiliary feedwater system performance could be degraded due to increased steam generator pressure.

Conditions Prior to Occurrence:

Unit 1 in Mode 4 during system heatup (<350°F).

Action specified in the Technical Specification Surveillance Requirements met due to inoperable equipment.

N/A

Apparent Cause of Occurrence:

Failure to consider the effects of variations in environmental temperature on opening pressure of main steam safety valve procurement specifications or in environmental control system design temperature range.

Analysis of Occurrence:

No danger to public health and safety.

Corrective Action:

Further analysis is being done to determine if the expected room temperatures could fall outside the acceptable range and if so, what design change would be necessary to maintain it within the acceptable range (50°F - 120°F).

Failure Data:

N/A