

SUPPLEMENTARY INFORMATION

Report No.: 50-302/81-068/01T-1

Facility: Crystal River Unit 3

Report Date: December 3, 1981

Occurrence Date: October 27, 1981

Identification of Occurrence:

Corrective measures are required to prevent operation in a manner less conservative than that assumed in the Accident Analysis in the Final Safety Analysis Report for a High Energy Line Break Outside Containment, as described in Technical Specification 6.9.1.8.i.

Conditions Prior to Occurrence:

Mode 6 refueling (0%).

Description of Occurrence:

At 1030, during routine refueling operations, notification was received from the Architect Engineer, Gilbert Associates, Inc., that the main steam lines supplying the turbine driven emergency feed pump are presently categorized as High Energy Lines, but that they were not considered as such when the FPC High Energy Line Break Outside Containment (Helboc) Report was done in 1973.

Designation of Apparent Cause:

This event was caused by changes in operational procedures not specifically considered by the Architectural Engineer in the Helboc Report. High Energy Lines were created and, therefore, fell outside the bounds of this analysis.

Analysis of Occurrence:

There was no effect upon the health or safety of the general public.

Corrective Action:

Engineering evaluation and design of whip restraints and shields is in progress. Modification (MAR 81-10-19) will be completed following completion of design, evaluation, and procurement activities during the next refueling outage which is currently planned for the Spring of 1983. This timeframe is appropriate in terms of the probability of failure ($\sim 10^{-4}$ /yr, WASH-1400) when compared to current safety goals as specified in NUREG-0735 ($\sim 10^{-4}$ /yr, correct in years).

Failure Data:

This was the first event of this type.

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