

## CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

### EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

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## Supplemental Information

For

Licensee Event Report 79-17

### 1. Cause Description & Analysis

At approximately 1730 hours on June 11, 1979, with the plant in the cold shutdown condition, a primary to secondary leak was identified in "C" Steam Generator. The leak was identified by analyses for gross activity and boron concentration following investigation of a high alarm on the Radiation Monitoring System. The exact rate of leakage could not be determined due to plant conditions, but was assumed to be in excess of .35 gpm.

Following identification of the leak location, results of past eddy current examinations were reviewed, and a 38-42% through wall defect in the region just above the tube sheet was indicated. However, no increase in severity of the defect over the past several years was indicated. The leak was monitored during the secondary side draining, and the location of the leak was verified as being near the tube sheet. The precise mechanism of failure is not known.

### 2. Corrective Action

The primary system was drained to below the generator channel head, and the secondary side was drained to the tube sheet. The tube was explosively plugged and verified as leak-tight by static head pressure test.

### 3. Corrective Action To Prevent Further Occurrence

The on-going eddy current testing program and the removal of secondary sludge deposits by lancing, which the generators are subject to, will be continued in order to minimize the development of the leaks.