

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

01 SCNEE 3 00 - 000000 - 00 41111

CON'T

01 REPORT SOURCE L 05000287 031783 041583

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES

02 On March 17, 1983, a pressurization/containment isolation valve was discovered
03 open, thus technically violating containment integrity. The air leakage rate
04 was only 23.9% of the total leakage allowed by T.S. 4.4.1.2.3. The calculated
05 maximum possible total whole body dose at the site boundary was 0.0004 mRem,
06 well within 10 CFR 20 limits. Therefore, had a maximum hypothetical accident
07 occurred, the limits of 10 CFR 100 would not have been exceeded, and the health
08 and safety of the public were never endangered by this incident.

09 SYSTEM CODE S D CAUSE CODE A CAUSE SUBCODE X COMPONENT CODE VALVE VALVE X COMP SUBCODE F VALVE SUBCODE H
17 LER/RO REPORT NUMBER 83 SEQUENTIAL REPORT NO. 004 OCCURRENCE CODE 01 REPORT TYPE T REVISION NO. 0
18 ACTION TAKEN E FUTURE ACTION G EFFECT ON PLANT Z SHUTDOWN METHOD Z HOURS 000 ATTACHMENT SUBMITTED Y NFRD-4 FORM SUB. N PRIME COMP. SUPPLIER L COMPONENT MANUFACTURER K085

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS

10 The cause was basically personnel error. The test procedure involved did not
11 specify closing the valve, but proper modification process review by personnel
12 could have prevented that omission. It is assumed that the valve was left
13 open after testing. The valve was closed. Procedural changes have been made.
14 A task force will review containment integrity.

15 FACILITY STATUS E % POWER 100 OTHER STATUS NA METHOD OF DISCOVERY B DISCOVERY DESCRIPTION Operator observation

16 ACTIVITY CONTENT RELEASED OF RELEASE G AMOUNT OF ACTIVITY M .007 Curie total LOCATION OF RELEASE Emergency Access Air Lock to atmosphere

17 PERSONNEL EXPOSURES NUMBER 0 TYPE Z DESCRIPTION NA

18 PERSONNEL INJURIES NUMBER 0 DESCRIPTION NA

19 LOSS OF OR DAMAGE TO FACILITY TYPE Z DESCRIPTION NA

20 PUBLICITY ISSUED N DESCRIPTION NA

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Attachment 2

TOTAL CURIES RELEASED VIA UNIT #3 EMERGENCY HATCH PRESSURIZATION LINE

The total activity released was:

Halogens	7.0×10^{-7} Ci
Particulates	1.4×10^{-8} Ci
Gases	7.0×10^{-3} Ci
Tritium	7.0×10^{-6} Ci

The radioactivity concentrations were obtained by reviewing the results of samples taken from the containment atmosphere during the 90 day period. Additionally, the multi-point trend recorder records, for the 90 day period, were reviewed. The concentrations listed below are mean values of those reviewed.

Halogens	5.0×10^{-9} μ Ci/cc
Particulates	1.0×10^{-10} μ Ci/cc
Gases	5.0×10^{-5} μ Ci/cc
Tritium	5.0×10^{-3} μ Ci/cc

The leak rate of containment atmosphere, 0.038 CFM, thru the pressurization line was calculated by the Performance Section based on:

Containment atmosphere pressure of 0.1 psig.

Leak rate of equalization valve at .11" Hg. vacuum.

The total curies released were determined as follows:

$$\text{Total curies released} = \text{mean concentration} \times 1.39 \times 10^2 \text{ cc-Ci}/\mu\text{Ci}$$

$$\text{Where } 1.39 \times 10^2 \text{ cc-Ci}/\mu\text{Ci} = 0.038 \text{ ft}^3/\text{min} \times 90 \text{ days} \times 1440 \text{ min/day} \times \\ 2.832 \times 10^4 \text{ cc/ft}^3 \times \text{Ci/l} \times 10^6 \mu\text{Ci}$$