

LICENSEE EVENT REPORT

AO-S1-75-24.

CONTROL BLOCK

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME: G V A S P S I LICENSE NUMBER: 00-0000-00 LICENSE TYPE: 41110 EXPIRATION DATE: 01

CONT: P O CATEGORY: T REPORT TYPE: L INCIDENT NUMBER: 050-0280 EVENT DATE: 101675 REPORT DATE: 102875

EVENT DESCRIPTION

01 Performance of the Type A containment leak rate test as required by Appendix J of 10
02 CFR 50 revealed that the overall integrated containment leakage rate was greater than
03 the acceptance criterion. The leak rate was measured to be 0.5881 per cent by weight
04 per 24 hrs. from a least squares fit of the hourly calculations of mass of air in the
05 containment. The acceptance criteria is 0.1%/24 hrs. This event is con- (con't)

SYSTEM CODE: S A CAUSE CODE: L COMPONENT CODE: V E S S E L PRIME COMPONENT SUPPLIER: A COMPONENT MANUFACTURER: S 4 2 0 VIOLATION: Y

CAUSE DESCRIPTION

06 Investigation during the test revealed that the predominant source of leakage was
07 through the "A" steam generator from the primary to the secondary system. Local leak-
08 age testing following the integrated leak rate test verified that the major (con't)

FACILITY STATUS: H % POWER: 000 OTHER STATUS: N/A METHOD OF DISCOVERY: B DISCOVERY DESCRIPTION: N/A

FORM OF ACTIVITY RELEASED: Z CONTENT OF RELEASE: Z AMOUNT OF ACTIVITY: N/A LOCATION OF RELEASE: N/A

PERSONNEL EXPOSURES

13 NUMBER: 000 TYPE: Z DESCRIPTION: N/A

PERSONNEL INJURIES

14 NUMBER: 000 DESCRIPTION: N/A

OFFSITE CONSEQUENCES

15 N/A

LOSS OR DAMAGE TO FACILITY

16 TYPE: Z DESCRIPTION: N/A

PUBLICITY

17 N/A

8403090371 751028
PDR ADQCK 05000280
S PDR

ADDITIONAL FACTORS

18 The health and safety of the general public were not affected by this occurrence.

19

NAME: E. M. Sweeney, Jr.

PHONE: (804) 357-3184

EVENT DESCRIPTION (con't)

sidered to be an abnormal occurrence since containment integrity as required by TS 3.8.A was violated. Containment integrity requires that the uncontrolled containment leakage satisfy the acceptance criteria specified in 10 CFR 50. (AO-SI-75-24)

CAUSE DESCRIPTION (con't)

portion of the leakage was through two defective tubes in the "A" steam generator. Local leakage tests also revealed significant leakage through the containment isolation valves in the recirculation spray system. In order to prevent recurrence, the defective steam generator tubes will be plugged and local leakage testing in accordance with the requirements of Type B and C test requirements will be completed. Repairs will be made to leaking components as revealed by these tests. The results of Type A, B and C leak rate tests will be the subject of a summary technical report to the Commission.

Analysis indicates that during a loss-of-coolant accident the steam generators would remain pressurized during the interval in which the containment is at a positive pressure. Thus the defective steam generator tubes would not have been a leak path during an actual loss-of-coolant accident. In addition, the containment isolation valves in the recirculation spray system would have been open during the loss-of-coolant accident and the system pressurized. It is concluded that if an actual loss-of-coolant accident had occurred, the containment would have performed its design function.

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

October 30, 1975

Mr. Norman C. Moseley, Director
Office of Inspection and Enforcement
United States Nuclear Regulatory Commission
Region II - Suite 818
230 Peachtree Street, Northwest
Atlanta, Georgia 30303

Serial No. 761
PO&M/JTB:clw

Docket Nos. 50-280
License Nos. DPR-32

Dear Mr. Moseley:

Pursuant to Surry Power Station Technical Specification 6.6.B.1, the Virginia Electric and Power Company hereby submits forty (40) copies of Abnormal Occurrence Report No. AO-S1-75-24.

The substance of this report has been reviewed by the Station Nuclear Safety and Operating Committee and will be placed on the agenda for the next meeting of the System Nuclear Safety and Operating Committee.

Very truly yours,

C. M. Stallings

C. M. Stallings
Vice President-Power Supply
and Production Operations

Enclosures

40 copies of AO-S1-75-24

cc: Mr. Robert W. Reid ✓

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