

LICENSEE EVENT REPORT

CONTROL BLOCK / / / / / (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

/0/1/ /V/A/N/A/S/1/ (2) /0/0/-/0/0/0/0/0/-/0/0/ (3) /4/1/1/1/1 (4) / / / (5)

LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT

/0/1/ REPORT /L/ (6) /0/5/0/0/0/3/3/8/ (7) /0/6/0/3/8/1/ (8) /0/6/2/9/8/1/ (9)

SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

/0/2/ / On Feb. 9, 1981 during Mode 5 operation a visual inspection of hydraulic snubbers/

/0/3/ / not accessible during reactor operation revealed that snubber (1-RC-HSS-861) /

/0/4/ / reservoir was damaged and completely empty of fluid. The snubber was declared /

/0/5/ / inoperable as required by T.S.3.7.10. Since the snubber was repaired prior to /

/0/6/ / Mode 4 operation, the health and safety of the public were not affected. The /

/0/7/ / original Deviation Report submitted on 2-9-81 was lost. It was after a QC Audit /

/0/8/ / on 06-03-81 that this event was determined reportable as per T.S. 6.9.1.9.b. /

SYSTEM CAUSE CAUSE COMP. VALVE

CODE CODE SUBCODE COMPONENT CODE SUBCODE SUBCODE

/0/9/ /C/A/ (11) /B/ (12) /A/ (13) /S/U/P/O/R/T/ (14) /D/ (15) /Z/ (16)

SEQUENTIAL OCCURRENCE REPORT REVISION

LER/RO EVENT YEAR REPORT NO. CODE TYPE NO.

(17) REPORT

NUMBER /8/1/ /-/ /0/4/8/ / \ / /0/3/ /L/ /-/ /0/

ACTION FUTURE EFFECT SHUTDOWN ATTACHMENT NPRD-4 PRIME COMP. COMPONENT

TAKEN ACTION ON PLANT METHOD HOURS SUBMITTED FORM SUB. SUPPLIER MANUFACTURER

/F/ (18) /Z/ (19) /Z/ (20) /Z/ (21) /0/0/0/0/ (22) /Y/ (23) /N/ (24) /A/ (25) /G/2/5/5/ (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

/1/0/ / The failure of this snubber was due to heat damage to the oil reservoir. The /

/1/1/ / reservoir (LEXAN) had been located in a stagnant airflow area close to B Loop /

/1/2/ / Steam Generator. The snubber was replaced and modified by moving the fluid /

/1/3/ / reservoir to a remote location. /

/1/4/ / /

FACILITY METHOD OF

STATUS %POWER OTHER STATUS DISCOVERY DISCOVERY DESCRIPTION (32)

/1/5/ /G/ (28) /0/0/0/ (29) / NA / (30) /B/ (31) / PERIODIC INSPECTION /

ACTIVITY CONTENT

RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)

/1/6/ /Z/ (33) /Z/ (34) / NA / / NA /

PERSONNEL EXPOSURES

NUMBER TYPE DESCRIPTION (39)

/1/7/ /0/0/0/ (37) /Z/ (38) / NA /

PERSONNEL INJURIES

NUMBER DESCRIPTION (41)

/1/8/ /0/0/0/ (40) / NA /

LOSS OF OR DAMAGE TO FACILITY (43)

TYPE DESCRIPTION

/1/9/ /Z/ (42) / NA /

PUBLICITY

ISSUED DESCRIPTION (45) NRC USE ONLY

/2/0/ /N/ (44) / NA / / / / / / / / / / / / / /

NAME OF PREPARER W. R. CARTWRIGHT PHONE (703) 894-5151

Virginia Electric and Power Company
North Anna Power Station, Unit 1
Docket No. 50-338
Report No. LER 81-048/03L-0

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Description of Event

On February 9, 1981 during an 18 month surveillance of inaccessible snubbers as required by T.S. 3.7.10, snubber 1-RC-HSS-861 was found to have a distorted fluid reservoir. As a result, the snubber was completely empty of fluid and was declared inoperable. Since the Deviation Report written at that time was lost, this event was not identified until the QC surveillance of completed maintenance reports was conducted on June 3, 1981. Subsequently, a Lost Document Form was submitted on 6-25-81.

Probable Consequences of Occurrence

The affected snubber is located on Loop B RTD bypass line 1"-RC-1502-Q. Without fluid in the reservoir, it was possible that the snubber could have lost it's ability to become a rigid strut when subjected to an excessive rate of movement due to seismic effects. Since the snubber was replaced and the redesign implemented prior to mode 4 operation, the health and safety of the public were not affected.

Cause of Event

The distortion of the Lexan reservoir tube and subsequent loss of snubber fluid was due to the reservoir being placed too close to B Loop Steam Generator. The heat from the Steam Generator support heaters and the RCS piping, combined with a lack of adequate air flow, caused the reservoir to overheat and distort.

Immediate Corrective Action

A spare snubber with a remote reservoir was tested and installed as per Engineering Work Request 81-230.

Scheduled Corrective Action

No further corrective action required.

Actions Taken to Prevent Reccurrence

Additional inaccessible snubbers were examined to ensure that recurrence of this event will be prevented.

Generic Implications

There are no generic implications resulting from this event.