

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) /0/1/1/1/8/2/ (8) /0/4/0/7/8/2/ (9)
SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

/0/2/ / On January 11, 1982, at 1515 with Unit No.1 at 99% power, the Containment Par- /
/0/3/ / tificate Activity Detector (RM-159) failed low. At 2155 on January 11, 1982, the /
/0/4/ / Containment Gaseous Activity Detector (RM-160) also failed low. RM-160 was re- /
/0/5/ / paired and returned to service within one hour, and RM-159 was returned to /
/0/6/ / service within 20 hours. The Containment Sump Discharge Flow Measurement System /
/0/7/ / was operable as per T.S. 3.4.6.1; therefore, the health and safety of the general /
/0/8/ / public were not affected. This is reportable pursuant to T.S. 6.9 9.b. /

SYSTEM CAUSE CAUSE COMP. VA
CODE CODE SUBCODE COMPONENT CODE SUBCODE SUB CODE

/0/9/ /B/B/ (11) /E/ (12) /A/ (13) /I/N/S/T/R/U/ (14) /E/ (15) /Z/ (16)
LER/RO EVENT YEAR SEQUENTIAL OCCURRENCE REPORT REVISION
REPORT NO. TYPE NO.
(17) NUMBER /8/2/ /- / /0/0/2/ / \ / /0/3/ /X/ /- / /1/

ACTION FUTURE EFFECT SHUTDOWN ATTACHMENT NPRD-4 PRIME COMP. COMPONENT
TAKEN ACTION ON PLANT METHOD HOURS SUBMITTED FORM SUB. SUPPLIER MANUFACTURER
/E/ (18) /A/ (19) /Z/ (20) /Z/ (21) /0/0/0/0/ (22) /Y/ (23) /N/ (24) /N/ (25) /B/0/6/6/ (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

/1/0/ / The failure of RM-160 was caused by a loose electrical connector at the monitor- /
/1/1/ / ing cabinet. The connector was reinserted into its receptacle, the channel was /
/1/2/ / functionally tested and returned to service. The filter paper drive motor in RM- /
/1/3/ / 159 failed. The drive motor was replaced, the detector was recalibrated and re- /
/1/4/ / turned to service. /

FACILITY METHOD OF
STATUS %POWER OTHER STATUS DISCOVERY DISCOVERY DESCRIPTION (32)
/1/5/ /E/ (28) /0/9/9/ (29) / NA / (30) /A/ (31) / Operator Observation /

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

NRC USE ONLY

8204280303

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UPDATE REPORT: Previous Report Date 02-09-82

Virginia Electric and Power Company
North Anna Power Station, Unit No. 1
Docket No. 50-338
Report No. LER 82-002/03X-1

Attachment: Page 1 of 1

Description of Event

On January 11, 1982, at 1515 with Unit No. 1 at 99% power, the Containment Particulate Activity Detector (RM-159) failed low. At 2155 on January 11, 1982, the Containment Gaseous Activity Detector (RM-160) also failed low. RM-160 was returned to service within one hour and RM-159 was returned to service within 20 hours.

Probable Consequences of Occurrence

The Containment Sump Discharge Flow Measurement System was operable during the time period that RM-159 was inoperable. RM-160 was only inoperable for one hour and a Reactor Coolant Leak Rate was performed satisfactorily subsequent to returning RM-160 to service. The basis of the Technical Specification is to monitor reactor coolant leakage. A RCS Leak Rate Periodic Test was completed satisfactorily and full compliance with the Action of T.S. 3.4.6.1 was achieved; therefore, the health and safety of the general public were not affected.

Cause of Event

The failure of the Containment Particulate Activity Detector was due to the filter paper drive motor stopping. The filter paper is driven through the sample stream and into the Particulate Detector to monitor the Containment Atmosphere for particulate radioactivity.

The failure of the Containment Atmosphere Gaseous Activity Detector was caused by a loose connector in the detector cabinet.

Immediate Corrective Action

The connector for the Containment Gaseous Activity Detector was reinserted into the receptacle, the channel was functionally tested and returned to service. The filter paper drive motor for the Containment Particulate Activity Detector was replaced. The channel was subsequently calibrated and returned to service.

Scheduled Corrective Action

It is planned to replace the connector supports utilized in the Radiation Monitor Cabinets with a stronger type at the time of their next scheduled calibration (both units). No further corrective action is required for the Containment Particulate Activity Monitor.

Actions Taken to Prevent Recurrence

No further action is required.

Generic Implications

The connector problem appears to only be applicable to North Anna Units 1 and 2.