

LICENSEE EVENT REPORT

UPDATE REPORT - Previous Report Date 02-05-79
(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CONTROL BLOCK: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

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CON'T
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EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 A damaged wiper seal was found on hydraulic suppressor 1-FW-HSS-233. Suppressor was
0 3 functionally tested and found inoperable. Suppressor was on feedwater bypass line
0 4 and the consequences were limited. At no time was the health and safety of the
0 5 general public endangered.

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7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The poppet valves which control the lock up rate were found to be improperly set.

1 1 The suppressor was replaced with an operable spare suppressor.

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1 5 FACILITY STATUS E 28 0 9 7 29 NA 30 METHOD OF DISCOVERY C 31 Special Inspection 32
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

1 6 ACTIVITY CONTENT Z 33 Z 34 N/A 35 AMOUNT OF ACTIVITY N/A 36 LOCATION OF RELEASE
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

1 7 PERSONNEL EXPOSURES 0 0 0 37 Z 38 N/A 39 DESCRIPTION
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

1 8 PERSONNEL INJURIES 0 0 0 40 N/A 41 DESCRIPTION
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

1 9 LOSS OF OR DAMAGE TO FACILITY Z 42 N/A 43 DESCRIPTION
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

2 0 PUBLICITY N 44 N/A 45 DESCRIPTION
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

NAME OF PREPARER W. R. Cartwright

PHONE: 703-894-5151

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NRC USE ONLY

Virginia Electric and Power Company
North Anna Power Station
Docket No. 50-338
Report No. LER 79-006/03X-1

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Event Description

While in Mode 1 operation on January 11, 1979, it was discovered that hydraulic suppressor 1-FW-HSS-233, which restrains the feedwater bypass line, had been subjected to a steady steam leak. This steam leak was from a valve bonnet on a nearby feedwater line. The steam flow caused damage to wiper seal on the piston shaft. The suppressor was then removed from the system and functionally tested. The suppressor failed to lockup in the compression test.

Probable Consequences Of Occurrence

The line restrained by the inoperable suppressor is a small line provided to bypass the main feedwater flow control valve. The suppressor is used for both seismic and occasional load effects. Since these effects did not occur during this period, the consequence of this event was very limited. At no time was the health and safety of the general public endangered.

Cause of Occurrence

Though the wiper seal was damaged on the inoperable suppressor, this did not affect the suppressor's performance. The poppet valve assembly was removed and examined. An incorrect spring was installed, however, it was demonstrated that the suppressor would operate with this spring with the proper settings. The valve was then replaced, set for the proper lock-up rate and the suppressor retested. The suppressor's performance was satisfactory. This suppressor was set by ITT-Grinnell before being shipped to VEPCO. The cause for the failure of this snubber was that the settings which were found were incorrect.

Immediate Corrective Action

Immediately following the removal of the damaged suppressor for functional testing, a spare suppressor that had been correctly calibrated and satisfactorily tested was installed.

Scheduled Corrective Action

No further action required.

Action Taken To Prevent Recurrence

No further action required.