

CONTROL BLOCK: 1 6

PLEASE PRINT ALL REQUIRED INFORMATION

LICENSEE NAME: 01 VA SP S I 14
 LICENSE NUMBER: 00-000000-00 25
 LICENSE TYPE: 41110 30
 EVENT TYPE: 01 32
 CATEGORY: 01 CONT 57 58
 REPORT TYPE: P O 59
 REPORT SOURCE: T L 60
 DOCKET NUMBER: 050-0280 68
 EVENT DATE: 080576 69 74
 REPORT DATE: 082076 75 80

EVENT DESCRIPTION

02 The Virginia Electric and Power Company was informed by its nuclear steam supply
 03 system vendor that the rod bow effect on thermal margins was determined to be greater
 04 than previously anticipated. This event is reportable per Technical Specification
 05 6.6.2.a.8 (AO-S1-76-06).
 06

SYSTEM CODE: 07 Z Z 9 10
 CAUSE CODE: F 11
 COMPONENT CODE: Z Z Z Z Z Z 17
 PRIME COMPONENT SUPPLIER: N 43
 COMPONENT MANUFACTURER: W 1 2 0 47
 VIOLATION: N 48

CAUSE DESCRIPTION

08 Experimental data collected by the nuclear steam supply system vendor shows that the
 09 effects of a bowed fuel rod are worsened if a control rod thimble is located next to
 10 the bowed fuel rod. The physical reasons for this phenomenon are not well known (cont)

FACILITY STATUS: 11 E 9
 % POWER: 10 100 12 13
 OTHER STATUS: N/A 44
 METHOD OF DISCOVERY: D 45
 DISCOVERY DESCRIPTION: Notification by Vendor 46 80
 FORM OF ACTIVITY RELEASED: 12 Z 9
 CONTENT OF RELEASE: Z 10
 AMOUNT OF ACTIVITY: N/A 44
 LOCATION OF RELEASE: N/A 45 80

PERSONNEL EXPOSURES

13 NUMBER: 000 11
 TYPE: Z 12
 DESCRIPTION: N/A 13 80

PERSONNEL INJURIES

14 NUMBER: 000 11
 DESCRIPTION: N/A 12 80

OFFSITE CONSEQUENCES

15 No offsite consequences resulted from this event. 80

LOSS OR DAMAGE TO FACILITY

16 TYPE: Z 9
 DESCRIPTION: N/A 10 80

PUBLICITY

17 N/A 80

ADDITIONAL FACTORS

18 This event is the subject of a detailed technical report forwarded to the NRC under 80

19 Virginia Electric and Power Company letter serial number 194, dated August 18, (cont) 80

NAME: Tyndall L. Baucom PHONE: (804) 357-3184

CAUSE DESCRIPTION (con't)

at this time, however, the enthalpy rise hot channel factor $F_{\Delta H}^N$ is being limited to offset the effect.

ADDITIONAL FACTORS (con't)

1976. This report presents the operational restrictions that have been applied to Surry Unit Nos. 1 and 2 as a result of this event. The health and safety of the public was not affected by this event.