NRC FORM 366 (7.77) LICENSEE EVENT REPORT (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) CONTROL BLOCK: LICENSE TYPE 30 34 0 10 R 0 1 LICENSEE CODE CON'T REPORT 011220 0 1 SOURCE DOCKET NUMBER EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) During normal operation, the particulate channel on the 3-90-256 drywell CAM went 0 2 downscale due to moisture in the sample chamber. (Tech Spec 3.6.C.2). This caused 0 3 the unit to operate in a degraded mode. The CAM was out of service for approximately 0 4 16 hours. There was no effect on public health or safety. The redundant sump 0 5 monitoring system was operable 0 6 0 7 COMP VALVE SYSTEM CAUSE CAUSE SUBCODE COMPONENT CODE SUBCODE CODE IC | E (12 (13) OCCURRENCE REPORT REVISION SEQUENTIAL CODE NO. TYPE REPORT NO. EVENT YEAR LER/RO 13 0 2 6 0 REPORT NUMBER COMPONENT NPRD-4 PRIME COMP. AT. CHMENT SL. MITTED SHUTDOWN ACTION FUTURE TAKEN ACTION EFFECT HOURS (22) FORM SUB. SUPPLIER ON PI 3 10 (25) y (23) (24) N N (21) 0 0 0 10 44 CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) The cause of the event was the accumulation of condensation in the sample chamber of 1110 the NMC Model - AM-331F CAM. It is believed that this was due to an increase of 1 1 sample flow rate caused by leakage past "O" rings sealing the CAM's sample chambers. 1 2 The "O" rings have been replaced. A program to increase the inspection/replacement 1 3 of these "O" rings will be established by February 1, 1983. T4 80 .9 METHOD OF OTHER STATUS (30) DISCOVERY DESCRIPTION (32) FACILITY % POWER (31) Operator observation E (28) 0 15 80 45 9 10 ACTIVITY CONTENT LOCATION OF RELEASE (36) AMOUNT OF ACTIVITY (35) RELEASED OF RELEASE NA Z 33 Z 34 NA 6 80 PERSONNEL EXPOSURES DESCRIPTION (39) NUMBER NA 30 PERSONNEL INJURIES DESCRIPTION (41) NUMBER 0 0 (40) NA 80 8301030065 821222 LOSS OF OR DAMAGE TO FACILITY (43) PDR ADOCK 05000296 DESCRIPTION TYPE PDR Z (42) NRC USE ONLY PUBLICITY SUED DESCRIPTION (45) LN (44) NA 68 69 10 PHONE (205) 729-0785 NAME OF PREPARER D. Thorpe .

Tennessee Valley Authority

' Browns Ferry Nuclear Plant

Form BF 15 BF 15 2 2/12/82

LER SUPPLEMENTAL INFORMATION

BFRO-50-296 / 82056 Technical Specification Involved 3.6.C.2 Reported Under Technical Specification 6.7.2.b.(2) * Date Due NRC 12/27/82

Event Narrative:

Unit 1 was operating at 77-percent power, unit 2 was in a refueling outage, and unit 3 was operating at 100 percent. Only unit 3 was affected by the event. During normal operation the particulate channel indicated a downscale position which caused the drywell CAM to be declared inoperable. This placed the unit in a degraded mode permitted by Technical Specification 3.6.C.2.

The cause of the detector failure was condensation in the sample chamber of the NMC model AM-331 F CAM. The CAM monitors drywell atmosphere. The sample line is heat traced to prevent condensation with normal sample flow rates. It is believed that this event resulted from condensation caused by an excessive sample flow rate. This excessive sample flow rate was caused by leakage past "O" rings sealing the CAM's particulate and charcoal sample chambers. The "O" rings have been replaced. A program to increase the inspection/replacement of these "O" rings will be established by February 1, 1983. The redundant sump monitoring system was operable. There was no effect on public health and safety.

* Previous Similar Events:

NONE

Retention: Period - Lifetime: Responsibility - Document Control Supervisor *Revision: