U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: [| | | | | |] (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

Field	Value
Licensee Code (2)	A L B R F 1
License Number (3)	0 0 - 0 0 0 0 0 - 0 0
License Type (4)	4 1 1 1 1
CAT (5)	
Report Source (6)	L
Docket Number (7)	0 5 0 0 0 2 5 9
Event Date (8)	1 0 2 4 8 2
Report Date (9)	1 1 1 9 8 2

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

During normal operation, while performing a routine check, it was observed that 480-V reactor MOV board 1DA motor-generator (MG) set voltage was swinging about +5 to -5 volts from nominal. The MG set was removed from service and the voltage regulator was replaced (T.S. 3.9.B.13). There was no effect on public health and safety. T.S. 3.9.B.13 allows operation for 7 days with one MG set inoperable. All other unit 1 480-V reactor MOV board MG sets were operable.

Field	Value
System Code (11)	E B
Cause Code (12)	E
Cause Subcode (13)	A
Component Code (14)	G E N E R A
Comp. Subcode (15)	D
Valve Subcode (16)	0
LER/RO Report Number (17) — Event Year	8 2
Sequential Report No.	0 8 7
Occurrence Code	0 3
Report Type	L
Revision No.	0
Action Taken (18)	A
Future Action (19)	Z
Effect on Plant (20)	Z
Shutdown Method (21)	Z
Hours (22)	0 0 0 0
Attachment Submitted (23)	Y
NPRD-4 Form Sub. (24)	Y
Prime Comp. Supplier (25)	L
Component Manufacturer	B 0 9 3

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

Capacitor C8 in the Basler Electric Co. Type KR4F model P/N-9-1161-100 voltage regulator failed. The regulator was replaced. It was previously determined that this type failure does not make the MG set inoperable. Since this is not a significant generic problem and this is the only failure in the past 13 months, no recurrence control is required.

Field	Value
Facility Status	E
% Power	0 9 8
Other Status (30)	NA
Method of Discovery (31)	B
Discovery Description (32)	Routine check
Activity Released	Z
Content of Release	Z
Amount of Activity (35)	NA
Location of Release (36)	NA
Personnel Exposures — Number	0 0 0
Type	Z
Description (39)	NA
Personnel Injuries — Number	0 0 0
Description (41)	NA
Loss of or Damage to Facility — Type	Z
Description (43)	NA
Publicity — Issued	N
Description (45)	NA

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NRC USE ONLY

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Tennessee Valley Authority
Browns Ferry Nuclear Plant

Form BF 17
BF 15.2
2/12/82

LER SUPPLEMENTAL INFORMATION

BFRO-50-259 /82087 Technical Specification Involved 3.9.B.13

Reported Under Technical Specification 6.7.2.b.(2) * Date Due NRC 11/23/82

Event Narrative:

Unit 1 was operating normally at 98-percent power; unit 2 was in a refueling outage; unit 3 was operating normally at 99-percent power. Unit 1 was the only unit affected by this event. During a routine check, the 480-Vreactor MOV board 1DA motor-generator (MG) set voltage was observed to swing about +5 to -5 volts from nominal. The MG set was removed from service and Basler Electric Company Type KR4F, model P/N-9-1161-100 voltage regulator was replaced (T.S. 3.9.B.13). The voltage swing was due to the failure of capacitor C8 in the voltage regulator. There was no effect on public health and safety in that the MG set was returned to service within the time limits as specified by T.S. 3.9.B.13. All other unit 1480-V reactor MOV board MG sets were available and operable. As a result of LER No. BFRO-50-296/8152, a failure analysis by Louis Allis Company determined that the failure of capacitor C8 does not make the MG set inoperable. Therefore, this event is not reportable due to the capacitor failure. However, this event is reportable due to the MG set being removed from service for replacement of the voltage regulator. This is the only capacitor failure in the past 13 months in the eight regulators now in service. It is concluded that this is not a significant generic equipment problem. Therefore, no recurrence control is required.

* Previous Similar Events:

BFRO-50-296/81052

Retention: Period - Lifetime; Responsibility - Document Control Supervisor

*Revision: JRP