

LER SUPPLEMENTAL INFORMATION

BFRO-50- 259/ 82077 Technical Specification Involved 3.3.A.2.c., e., and f.
Reported Under Technical Specification 6.7.2.b.(2) Date Due NRC 10/18/82

Event Narrative:

Unit 2 was in a refueling outage; unit 3 was operating at 99-percent power; these units were unaffected by this event. Unit 1 was operating at 99-percent power when operators observed a fuse failure alarm on panel 25-22 along with high-water level accumulator alarms for control rod 38-39. Pressure check and water drain check indicated a defective accumulator water level switch. Control rod 38-39 was considered inoperable (T.S. 3.3.A.2.e.) which constitutes a degraded mode by the limiting condition for operation as described under T.S. 3.3.A.2.f. Rod was fully inserted (T.S. 4.3.A.2.c.), accumulator isolated, and water level switch was replaced and tested per Electrical Maintenance Instruction 50 (switch changeout instruction). The CRD hydraulic control unit's accumulator level switch (manufactured by GEMS Division of TransAmerica Delaval Incorporated, GE part number 131C9199P001) became grounded and eventually failed in the closed (non-alarm) position (contacts welded shut). Fuse operation deenergized the circuit and the switch was replaced. This could have prevented the level switch from providing a control room alarm in the event of water leakage in the scram accumulator. Water present in a scram accumulator can increase scram time for that control rod but will not prevent rod insertion (T.S. 3.3.A.2.c.). System was returned to service within one hour and 15 minutes of being declared inoperable. This is considered a random failure and no further recurrence control is required. There was no effect on public health and safety. No more than one control rod in any 5 x 5 array was inoperable.

* Previous Similar Events:

None.

Retention: Period - Lifetime; Responsibility - Document Control Supervisor

*Revision: JRP