

3150-0011

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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LER SUPPLEMENTAL INFORMATION

BFRO-50- 259 / 82057 R1 Technical Specification Involved 3.7.H.3

Reported Under Technical Specification 6.7.2.b.(2) * Date Due NRC 1/24/83

Event Narrative:

Unit 2 was shut down for a refueling outage; unit 3 was operating at 96-percent power. These units were unaffected by this event. With unit 1 operating at 97-percent power, the coil for relay 16A-K72 failed, resulting in a partial primary containment isolation. The failed relay resulted in a trip of the drywell air compressor, the reactor building fans, and the closure of the isolation valves for the drywell and torus H2O2 monitors, thereby preventing sampling of the torus and drywell atmospheric conditions (Technical Specification 3.7.H.3). The relay coil was replaced and all systems were returned to normal in two and one-fourth hours. Technical Specification 3.7.H.3 allows for operation up to 24 hours with hydrogen analyzers out of service. There was no effect on public health and safety. Had the analyzers been needed for post-accident atmospheric monitoring, the design of the system would have allowed the isolation signal to be overridden and the valves opened. All primary containment isolation CRI20A relays in units 1, 2, and 3 have been surveyed for operating temperature, vibration, coil voltage rating, and the actual voltage on the coils. Various techniques were employed to collect this data including the use of a Thermovision 110 infrared thermal viewer, a fluke digital temperature probe, an IRD-306 vibration analyzer, and a fluke digital voltmeter. This data will serve as baseline data to evaluate future failures but, as of January 15, 1983, no other failures have occurred. Most PCIS relay failures have occurred during the summer months of the year when auxiliary instrument room ambient temperatures are higher than usual. An updated report is expected by September 15, 1983.

* Previous Similar Events:

LER BFRO-50-259/82039, 82048,
260/82025

Retention: Period - Lifetime; Responsibility - Document Control Supervisor

*Revision: JRR