

DUKE POWER COMPANY

OCONEE UNIT 1

Report Number: RO-269/78-26

Report Date: December 11, 1978

Occurrence Date: November 10, 1978

Facility: Oconee Unit 1, Seneca, South Carolina

Identification of Occurrence: Reactor Building Cooling Unit Inoperable

Conditions Prior to Occurrence: 100% Full Power

Description of Occurrence:

On November 10, 1978, when a control operator attempted to place Reactor Building Cooling Unit (RBCU) C fan in high speed operation, the discharge damper failed to indicate open. Subsequent investigation determined that the control power fuse in the damper motor circuit was blown. This fuse was replaced. After approximately seven hours in a degraded mode, RBCU C was declared operable.

Apparent Cause of Occurrence:

The failure of the damper to open was caused by a blown fuse. No other circuit malfunctions were observed.

Analysis of Occurrence:

Oconee Technical Specification 3.3.4 requires three RBCU's to be operable when a unit is critical, except periods of 24 hours for maintenance. When the damper failed to operate, RBCU C became inoperable and resulted in operation in a degraded mode. The system was returned to full operational status within seven hours. The health and safety of the public were not affected by this incident.

Corrective Action:

After the damper control circuit was verified not to be damaged, the blown fuse was replaced. The correct RBCU discharge damper position indication was received and the fan was started several times to verify operability.

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