

DUKE POWER COMPANY
OCONEE UNITS 1,2,3

Report No.: RO-269/77-29

Report Date: January 18, 1978

Occurrence Date: December 19, 1977

Facility: Oconee Units 1,2,3, Seneca, South Carolina

Identification of Occurrence: Keowee Hydro Unit 2 Field Flashing Breaker
Inoperable

Conditions Prior to Incident: Unit 1 100% FP
Unit 2 80% FP
Unit 3 76% FP

Description of Occurrence:

On December 19, 1977 at 1240 in an attempt to start Keowee Hydro Unit 2 from the Oconee control room, the field flashing breaker failed to close, as required. A second attempt was made at 1250 at which time the breaker closed normally. Keowee Unit 2 was then shut down in order to determine the problem in the field flash breaker. Upon inspection, no abnormalities in the breaker were discovered. The unit was declared operable after starting several times without incident.

Apparent Cause of Occurrence:

Examination and repeated operation showed no abnormalities within the breaker. A full inspection of the breaker also showed no abnormalities. No apparent cause could be determined.

Analysis of Occurrence:

Keowee Unit 2 is one of several redundant sources of auxiliary power for the Oconee station. Keowee Unit 1 and the underground feeder cable were fully operational and capable of supplying emergency power to all units, if required. The health and safety of the public were not endangered by this incident.

Corrective Action:

The breaker was inspected and serviced and was found to be fully operable.

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