

Letter to N. C. Moseley from Carolina Power and Light Company dated November 15, 1974.

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Reply to ROB - 74-11

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Carolina Power & Light Company

November 15, 1974

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Serial: NG-74-1359

Mr. Norman C. Moseley, Director
Directorate of Regulatory Operations
U. S. Atomic Energy Commission
Region II, Suite 818
230 Peachtree Street, N. W.
Atlanta, Georgia 30303

Dear Mr. Moseley:

H. B. ROBINSON UNIT NO. 2
LICENSE NO. DPR-23
RO BULLETIN NO. 74-11
IMPROPER WIRING OF SAFETY INJECTION
LOGIC AT ZION 1 & 2

In response to RO Bulletin No. 74-11 included in your letter of October 17, 1974, an investigation was undertaken at the H. B. Robinson Unit No. 2 plant to determine if the safeguard circuitry is in agreement with the safeguard logic design as supplied by Westinghouse Electric Corporation.

The problem addressed in the bulletin which was experienced at Zion involved incorrect wiring in a system equivalent to our Control and Instrumentation Protection (Analog Instrumentation) System. Bi-weekly tests are conducted on all Reactor Protection and Safeguards related circuits in the Analog System. In these tests, one analog channel is tested at a time. The process inputs are replaced with simulated signals and then varied to produce a trip condition on the channel under test. The trip setpoint and the appropriate bistable action is verified. In addition, the safeguards logic trains are tested monthly by simulating trip signals in the safeguards racks and verifying the resulting, proper safeguards action. To date, no wiring problems have been discovered in the course of the tests.

The aforementioned tests would have revealed any incorrect wiring in the Analog Instrumentation System and the Safeguards Logic Trains. Therefore, the only other conceivable location in which a wiring error could preclude safeguards actuation would be in the cables which connect these two systems. Before initial startup, a test was conducted in which each analog channel was tripped and the proper safeguards action verified confirming the correctness of the wiring.

Mr. N. C. Moseley

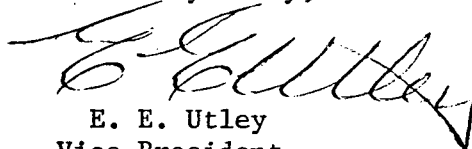
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Since all safeguard circuits have been tested from process inputs to safeguards action with satisfactory results, we can find no evidence of the Robinson facility having a problem similar to the one at Zion or any other wiring error which would prevent proper safeguards action in the event of an emergency.

In addition to this on-site review, Westinghouse has indicated that only four-loop reactor plants of the Zion 1 & 2 generation are involved with the problem.

Yours very truly,



E. E. Utley
Vice-President
Bulk Power Supply

DBW:mc

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