

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL: 50-261 H. B. Robinson Plant, Unit 2, Carolina Power and Light 05000261
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 SCHWENCER, A. Operating Reactors Branch 1

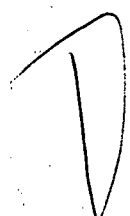
SUBJECT: Forwards addl info requested in NRC 800321 ltr re bypass & reset for engineered safety features. Discusses exceptions to safety signals to engineered safety features. Tabulation of engineered safety features should be available by 800930.

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EXTERNAL:	03 LPDR	1 1	04 NSIC	1 1
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8005020283

Carolina Power & Light Company

April 29, 1980

File: NG-3514(R)

Serial No.: NO-80-648

Office of Nuclear Reactor Regulation
Attention: Mr. Albert Schwencer, Chief
Operating Reactors Branch No. 1
United States Nuclear Regulatory Commission
Washington, D. C. 20555

H. B. ROBINSON STEAM ELECTRIC PLANT UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
REQUEST FOR ADDITIONAL INFORMATION FOR BYPASS AND
RESET OF ENGINEERED SAFETY FEATURES FOR
H. B. ROBINSON UNIT NO. 2

Dear Mr. Schwencer:

In your letter of March 21, 1980, you requested additional information to continue your long term review of the Bypass and Reset Features of Engineered Safety Features. These items are addressed in the attached enclosure in the order presented by Enclosure 1 of your letter.

Yours very truly,

E. E. Utley
Executive Vice President
Power Supply and Customer Services

JJS/jc (9847)
Enclosure

1001
5/1

ENCLOSURE

1. For the safety signals to all Engineered Safety Features (ESF) equipment, identify and justify all exceptions to the following:

Criterion 1 - In keeping with the requirements of General Design Criteria 55 and 56, the overriding of one type of safety actuation signal (e.g., radiation) should not cause the blocking of any other type of safety actuation signal (e.g., pressure) for those valves that have no function besides containment isolation.

Response: The H. B. Robinson Unit 2 is designed to meet this criterion.

Criterion 2 - Sufficient physical features (e.g., key lock switches) are to be provided to facilitate adequate administrative controls.

Response: Sufficient physical features exist to facilitate adequate administrative controls.

Criterion 3 - A system level annunciation of the overridden status should be provided for every safety system impacted when any override is active (see R.G. 1.47).

Response: Large status lights on the Control Board indicate when any override block of a safety system is active.

Criterion 4 - Diverse signals should be provided to initiate isolation of the containment ventilation system. Specifically, containment high radiation, safety injection actuation, and containment high pressure (where containment high pressure is not a portion of safety injection actuation) should automatically initiate CVI.

Response: The H. B. Robinson Unit 2 is designed to meet this criterion.

Criterion 5 - The instrumentation and control systems provided to initiate the ESF should be designed and qualified as safety grade equipment.

Response: All instrumentation and control systems used to initiate the ESF are designed as safety grade equipment and are qualified to the standards existing during the design and construction of Robinson Unit 2. This instrumentation and control system qualifications are being reviewed as required by IE Bulletin 79-01B.

Criterion 6 - The overriding or resetting of the ESF actuation signal should not cause any valve or damper to change position.

Response: This criterion has been reviewed as a part of TMI follow-up. Although no vital equipment changed positions, some valves from closed systems such as the gas analyzer inputs would return to normal. Modifications have been performed or are being prepared to eliminate these conditions. See our

responses to IE Bulletin 79-06A of April 23, 1979; June 28, 1979; and July 12, 1979; and our responses concerning TMI Short Term Lessons Learned of October 18, 1979; December 31, 1979; March 31, 1980; and April 4, 1980.

2. Provide a tabulation of all Engineered Safety Features and descriptions as per the four parts of this question.

Response: A tabulation of all Engineered Safety Features, their descriptions and drawings will be furnished, using the enclosed form as a guide, and should be available by September 30, 1980. This delay is required due to the large quantity of material involved. The above delay was discussed and agreed to by members of your staff during an April 9, 1980 telephone conversation.

[illegible]