

The Light company

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January 28, 1986
ST-HL-AE-1598
File No.: G9.17/G3.8

Mr. Vincent S. Noonan, Project Director
PWR Project Directorate #5
U. S. Nuclear Regulatory Commission
Washington, DC 20555

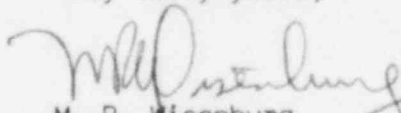
South Texas Project
Units 1 and 2
Docket Nos. STN 50-498, STN 50-499
TMI Item II.K.3.5 and Generic Letter 85-12
Automatic Trip of Reactor Coolant Pumps

Dear Mr. Noonan:

DSER Item 61K addresses NUREG-0737 Item II.K.3.5, "Automatic Trip of Reactor Coolant Pumps." The Westinghouse Owners Group (WOG) submitted information in response to NRC Generic Letter 83-10c in support of the WOG alternative reactor coolant pump trip criteria. As stated in NRC Generic Letter 85-12 the NRC has determined the information provided to be acceptable on a generic basis. By letter dated November 6, 1985, Houston Lighting & Power Company (HL&P) provided a partial response to the plant-specific concerns given in Generic Letter 85-12 Sections B and C; (i.e., potential reactor coolant pump problems, and operator training and procedures). Final response to Section A (Determination of RCP Trip Criteria) is dependent on completion of plant specific instrument uncertainty analyses. An interim response is provided in the attachment. Final information will be submitted by March 31, 1986.

If you should have any questions on this matter, please contact Mr. M. A. McBurnett at (512) 972-8530.

Very truly yours,


M. R. Wisenburg
Manager, Nuclear Licensing

THC/yd

Attachment: Interim Response to Generic Letter 85-12, Part A

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cc:

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South Texas Project
Units 1 and 2
Docket Nos. STN 50-498, STN 50-499
Interim Responses to Generic Letter 85-12, Part A

A. Determination of RCP Trip Criteria

1. Requirement

Identify the instrumentation to be used to determine the RCP trip set point, including the degree of redundancy of each parameter signal needed for the criterion chosen.

Response

STP will establish RCP trip criteria from the three alternatives recommended by the Westinghouse Owners Group (WOG). The selection will be based on the instrument uncertainties and operating margin associated with each option. Redundant instrumentation is already provided to implement each alternative.

2. Requirement

Identify the instrumentation uncertainties for both normal and adverse containment conditions. Describe the basis for the selection of the adverse containment parameters. Address, as appropriate, local conditions such as fluid jets or pipe whip which might influence the instrumentation reliability.

Response

The instrument uncertainties for both normal and adverse containment conditions will be identified once the trip criteria for item 1 above is established. Containment pressure will be used to indicate an adverse containment environment as discussed in the WOG Emergency Response Guidelines (ERGs). Any local conditions which are appropriate will be considered at that time.

3. Requirement

In addressing the selection of the criterion, consideration of uncertainties associated with the WOG supplied analyses values must be provided. These uncertainties include both uncertainties in the computer program results and uncertainties resulting from plant specific features not representative of the generic data group.

Response

Uncertainties associated with the WOG supplied analyses values will be addressed as appropriate.