

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8402030220 DOC. DATE: 84/01/30 NOTARIZED: NO DOCKET #
 FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251
 AUTH. NAME: WILLIAMS, J.W. AUTHOR AFFILIATION: Florida Power & Light Co.
 RECIP. NAME: EISENHUT, D.G. RECIPIENT AFFILIATION: Division of Licensing

SUBJECT: Provides status of planned responses to Generic Ltr 83-100 & 83-10D, re post-TMI requirements concerning automatic trip of reactor coolant pumps (Item II.K.3.5), Program completion date revised to 840301.

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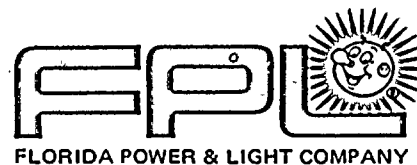
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DATE REVISION NO. 8-1961.
OF REACTION COOLANT PUMP (RCP) DESIGNATION
8-1961, THE PUMP IS A REACTION COOLANT PUMP (RCP) DESIGNATION
PROVIDES STATUS OF PUMPED RESPONSE TO FAILURE IN THE RCP

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-01-2001 BY 60322 UCBAW

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January 30, 1984
L-84-22

Office of Nuclear Reactor Regulation
Attention: Mr. Darrell G. Eisenhut, Director
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Eisenhut:

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Post TMI Requirements-Automatic Trip of
Reactor Coolant Pumps (Generic Letter 83-10d)

Our letter L-83-246, dated April 20, 1983, presented the plan for demonstrating compliance with the criteria for resolution of TMI Action Plan Item II.K.3.5 which were established in letters from Mr. Darrell G. Eisenhut of the Nuclear Regulatory Commission to all Applicants and Licensees with Westinghouse designed Nuclear Steam Supply Systems (83-10c and d) dated February 8, 1983. This letter presents the status of the planned responses to NRC Generic Letters 83-10c and d; the date by which all parts of the program are to be completed has now been revised to March 1, 1984. However, a submittal to partially fulfill the requirements has been transmitted to you by WOG letter OG-110, dated December 1, 1983 (Sheppard to Mattson).

Section I of the attachment to NRC Letters 83-10c and d is concerned with "Pump Operation Criteria Which Can Result in RCP Trip During Transients and Accidents." Subsection 1 of Section I presents guidelines for establishing setpoints for RCP Trip. The Westinghouse Owners Group response to this section of NRC Letters 83-10c and d is contained in Revision 1 to the Emergency Response Guidelines, which has been approved and issued.

Our letter L-83-237, dated April 15, 1983, committed Turkey Point Units 3 and 4 to the implementation of WOG Revision 1 to the Emergency Response Guidelines. The Revision 1 material, expected to be issued in June 1983, arrived in mid-December 1983. The executive volume and five volumes of supporting documentation have not yet been received.

Therefore a revised schedule to implement the Revision 1 ERGs is being prepared based on the assumption that all material is received from the WOG in January 1984. The revised schedule tentatively calls for plant specific ERGs to be implemented at Turkey Point by December 31, 1985. We will forward the schedule extension when finalized.

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Attention: Mr. Darrell G. Eisenhut
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The RCP Trip Criterion being adopted in the Turkey Point Units 3 and 4 specific procedures not only assures RCP trip for all losses of primary coolant for which trip is considered necessary but also permits RCP operation to continue during most non-LOCA accident including steam generator tube rupture events up to the design basis double-ended tube rupture. The generic applicability of the RCP trip criterion selected has been documented by the Westinghouse Owners Group in "Evaluation of Alternate RCP Trip Criteria", September 1983, which as stated above has been submitted to the NRC for review.

Subsection 2 of Section I of the attachment to NRC Letters 83-10c and d provides guidance for justification of manual RCP trip. Subsection 2a requires that compliance with 10 CFR 50.46 be demonstrated in Appendix K small break LOCA analysis given that the RCPs are tripped 2 minutes after the onset of reactor conditions corresponding to the RCP trip setpoint. Westinghouse has completed generic verification for the Westinghouse Owners Group that predicted LOCA transients presuming the 2 minute delayed RCP trip are nearly identical to those presented in Safety Analysis Reports utilizing the WFLASH Evaluation Model. Thus, the Safety Analysis Reports for all plants are a valid means to demonstrate compliance with the Subsection 2A guidelines.

Westinghouse is now performing better estimate WFLASH analyses to demonstrate, generically, compliance with the guidelines presented in Subsection 2A of Section I of the attachment to NRC Generic Letters 83-10c and d. These analyses will identify the minimum time available for operator action for a range of break sizes such that the ECCS acceptance criteria of 10 CFR 50.46 are not exceeded. It is expected that the minimum time available for operator action will exceed the value contained in N660. Combined with the Subsection 2A justification. This will justify manual RCP trip for all plants. Turkey Point Units 3 and 4 will review the WOG reports upon receipt. It is expected that the generic safety analysis report provided in the WOG report will bound the Turkey Point Plant. FPL endorses the applicability study to be included in the WOG report concerning the acceptability of manual RCP trip criteria. The review of the report and the final technical justification for treatment of RCPs should be within one year following receipt of the WOG report.

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Attention: Mr. Darrell G. Eisenhut
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The Westinghouse Owners Group intends to submit the generic report justifying manual RCP trip by March 1, 1984. This will complete the documentation comprising a generic reply to NRC Generic Letters 83-10c and d.

Very truly yours,



J. W. Williams, Jr.
Vice President
Nuclear Energy Department

JWW/JEM/js

Attachment

cc: Mr. James P. O'Reilly, Region II
Harold F. Reis, Esquire
PNS-LI-84-008

