



# THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

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MURRAY R. EDELMAN

VICE PRESIDENT  
NUCLEAR

March 19, 1985

PY-CEI/NRR-0190 L

Mr. B. J. Youngblood, Chief  
Licensing Branch No. 1  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Perry Nuclear Power Plant  
Docket Nos. 50-440; 50-441  
Compliance with ATWS Rule

Dear Mr. Youngblood:

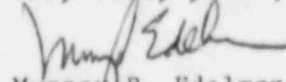
This letter provides information to address our compliance with 10CFR Section 50.62, Requirements for Reduction of Risk from Anticipated Transients Without Scram (ATWS) Events for Light-Water-Cooled Nuclear Power Plants.

The Redundant Reactivity Control System (RRCS) is the system which provides additional ATWS mitigation features. This system consists of associated ATWS detection sensors and the actuation logic to automatically initiate Alternate Rod Insertion (ARI), Recirculation Pump Trip (RPT), and Feedwater Runback. The description of these systems is found in FSAR Section 7.6.1.12. The ARI is also discussed separately in FSAR Section 4.6.1.1.2.5.4. These systems meet the requirements of 10CFR Section 50.62(C)(3) and (C)(5).

The Standby Liquid Control System (SLCS) is independent of normal reactivity control provisions in the nuclear reactor, and is able to shut down the reactor if the normal control ever becomes inoperable. This is discussed on FSAR Section 9.3.5. This system meets the requirements of 10CFR Section 50.62(C)(4). The Perry-unique analysis of the ATWS events is provided in FSAR Appendix 15C.

CEI has incorporated the design features necessary to meet the requirements of 10CFR Section 50.62 at PNPP, and requests that the staff reflect our compliance in a future supplement to SER Sections 9.4 and 15. If you have any questions, please call.

Very truly yours,

  
Murray R. Edelman  
Vice President  
Nuclear Group

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MRE:njc  
Attachments

cc: Jay Silberg, Esq.  
John Stefano (2)  
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