

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
FLORIDA POWER AND LIGHT COMPANY, ET AL.  
ST. LUCIE PLANT, UNIT NO. 2  
DOCKET NO. 50-389

Installation of 1 1/2-Inch Insulating Blanket for  
the Protection of Cable Trays Inside Containment

Introduction

In Supplement No. 3 to the Safety Evaluation Report (SSER#3) for St. Lucie Plant, Unit No. 2 the staff noted the licensee's commitment to install noncombustible radiant energy shields beneath certain cable trays inside containment. (See paragraph 9.5.1.6.C.6 of SSER#3)

Discussion

By letter dated March 30, 1983, and in Amendment 14 to the Final Safety Analysis Report, dated November 30, 1983, the licensee proposed that these radiant energy shields be constructed of a 1 1/2-inch insulating blanket. The licensee provided test data demonstrating that the insulating blanket had been tested in accordance with ASTM E-119 and achieved a fire resistance rating of one-hour when installed in a cocoon configuration around the cable trays.

Conclusion

Based on this review, the staff concludes that the use of the 1 1/2-inch insulating blanket will provide the required protection and meet the guidelines of BTP CMEB 9.5-1, Section C.7.a and is, therefore, acceptable.

Principal Contributors:

J. Stang  
D. Sells

8404130106 840327  
PDR ADCK 05000389  
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