

FEB 05 2002



LR-N02-0032

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Gentlemen:

**10 CFR 50.46 REPORT
HOPE CREEK GENERATING STATION
FACILITY OPERATING LICENSE NPF-57
DOCKET NO. 50-354**

Pursuant to 10 CFR 50.46(a)(3)(ii), PSEG Nuclear LLC (PSEG) hereby reports a change in the application of the Emergency Core Cooling System (ECCS) evaluation model for the Hope Creek Generating Station. This report is being submitted within 30 days of implementation of the change since the sum of the absolute magnitudes of the accumulated changes and errors in calculated peak clad temperature (PCT) exceeds 50°F.

The change in application of the ECCS evaluation model is associated with implementation of Amendment 136 to the Hope Creek Technical Specifications. Amendment 136, which was issued on January 7, 2002, changes the minimum acceptable Core Spray subsystem flow from 6,350 gallons per minute (gpm) to 6,150 gpm. PSEG's submittal dated January 8, 2001 stated that the reduction in required core spray flow would result in a very small (less than 10°F) increase in calculated PCT for all resident fuel types.

The limiting baseline PCT for Hope Creek is 2051°F for Westinghouse fuel (from the Westinghouse BWR ECCS evaluation model) and 2045°F for GE fuel (from the SAFE/REFLOOD model). The effect of the change described in this report, together with the accumulated PCT errors and changes reported in PSEG's letter dated November 20, 1996, is to increase the licensing basis estimated PCT to 2061°F for Westinghouse fuel and 2100°F for GE fuel. The estimated PCT remains less than the 2200°F limit specified in 10 CFR 50.46(b)(1). No additional actions are required.

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Should you have any questions regarding this report, please contact Mr. Paul Duke at 856-339-1466.

Sincerely,

A handwritten signature in cursive script, appearing to read "G. Salamon", with a long horizontal line extending to the right from the end of the signature.

G. Salamon
Manager
Nuclear Safety & Licensing

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C Mr. H. J. Miller, Administrator - Region I
U. S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

U. S. Nuclear Regulatory Commission
ATTN: Mr. R. Ennis, Licensing Project Manager - Hope Creek
Mail Stop 08B1
Washington, DC 20555-0001

USNRC Senior Resident Inspector - HC (X24)

Mr. K. Tosch, Manager IV
Bureau of Nuclear Engineering
PO Box 415
Trenton, NJ 08625