



Program Management Office  
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Windsor, CT 06095

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Project Number 694  
PWROG 50.46c Margin Assessment Report

November 19, 2013

OG-13-407

Mr. Paul M. Clifford  
Senior Technical Advisor, Division of Safety Systems  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Subject: PWR Owners Group  
**Transmittal of Update to the PWROG 50.46c Margin Assessment  
Report for Information Only (PA-ASC-1094)**

Dear Mr. Clifford:

In support of requests from the U.S. Nuclear Regulatory Commission (NRC), the Pressurized Water Reactor Owners Group (PWROG) developed a margin assessment related to the proposed changes to the 10 CFR 50.46 Emergency Core Cooling System (ECCS) acceptance criteria. The original margin assessment (ADAMS Accession Number ML11139A309), issued in 2011, provided a snapshot-in-time of the plant-specific oxidation margin for the PWR fleet. The PWROG margin assessment was used by the staff to develop their ECCS performance safety assessment.

Since that time, changes to and errors discovered in ECCS models, as well as plant license amendment requests, challenge the continued applicability of the 2011 ECCS performance safety assessment. To ensure continued safe operation until the proposed 10 CFR 50.46c requirements are implemented, the U.S. NRC Division of Safety Systems has committed to perform annual updates to the safety assessment. The 2013 safety assessment update (ADAMS Accession Number ML13259A280) notes that in response to staff concerns related to a number of plant-specific ECCS evaluations completed since the original assessment, the PWROG is revising the margin assessment to reflect current plant results.

This letter transmits the "Update to the PWROG 50.46c Margin Assessment" report for your use in updating your ECCS performance safety assessment. No formal review is being requested and therefore no NRC Review Fees are anticipated. The updates provided in the report are limited to Large-Break LOCA results, consistent with the discussion in ML13259A280. Detailed information for all plants addressed in the report is available to the NRC for audit at the vendor offices.

If you have any questions, please do not hesitate to contact me at (205) 992-7037 or Mr. Jim Molkenhuth of the PWROG Program Management Office at (860) 731-6727.

Regards,

A handwritten signature in cursive script, reading "Norman J. Stringfellow".

Jack Stringfellow, SNOG  
Chairman, PWR Owners Group

NJS:JPM:las

Enclosures (1)

cc: PWROG Management Committee  
PWROG Steering Committee  
PWROG Analysis Subcommittee  
PWROG PMO  
K. Koller, Westinghouse  
A. DiLullo, Westinghouse  
M. McCloskey, Westinghouse  
M. Nissley, Westinghouse  
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L. Gerken, AREVA NP  
B. Dunn, AREVA NP  
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