



Program Management Office
4350 Northern Pike
Monroeville, Pennsylvania 15146

WCAP-16530-NP-A
Project Number 694

April 30, 2010

OG-10-157

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-001

Subject: PWR Owners Group
Text Error in WCAP-16530-NP-A (PA-SEE-0275 Revision 1)

Reference: WCAP-16530-NP-A, "Evaluation of Post-Accident Chemical Effects in Containment Sump Fluids to Support GSI-191," March, 2008. (Adams Accession ML081150379)

This letter serves to advise the NRC of a text error in the subject topical report. Specifically, on page 105 of report, in the equations used to calculate the quantity of the sodium aluminum silicate generated, the inequality signs were reversed.

The equations currently shown in the topical report are as follows:

If $[\text{Si}] > 3.12 \cdot [\text{Al}]$: $\text{NaAlSi}_3\text{O}_8 = [\text{Si}] \cdot 3.11$
If $[\text{Si}] < 3.12 \cdot [\text{Al}]$: $\text{NaAlSi}_3\text{O}_8 = [\text{Al}] \cdot 9.72$

The correct equations should read as follows:

If $[\text{Si}] < 3.12 \cdot [\text{Al}]$: $\text{NaAlSi}_3\text{O}_8 = [\text{Si}] \cdot 3.11$
If $[\text{Si}] > 3.12 \cdot [\text{Al}]$: $\text{NaAlSi}_3\text{O}_8 = [\text{Al}] \cdot 9.72$

It must be noted that, in the "Chemical Effects Spreadsheet" that was distributed to licensees during the course of developing the topical report, the relationship is correct. Thus, plant-specific chemical model evaluations that have been done using that spreadsheet are not impacted.

This text error was identified to licensees in 2006. The error was to be corrected when the approved version of the topical report was being prepared, but the correction was not made at that time.

It is requested that the NRC append a copy of this letter to the topical report in Adams Accession ML081150379.

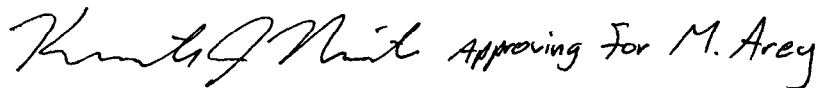
DOUG
NRR

Correspondence related to this transmittal should be addressed to:

Mr. Anthony Nowinowski
Manager, Owners Group Program Management Office
Westinghouse Electric Company
Mail Stop ECE 5-16
P.O. Box 355
Pittsburgh, Pennsylvania 15230-0355

If you have any questions, please do not hesitate to contact me, Melvin L. Arey, Jr., at 704-382-8619 or Mr. Anthony Nowinowski of the Owners Group Program Management Office at 412-374-6855.

Sincerely,

A handwritten signature in cursive script that reads "K. Nemit Approving For M. Arey".

K. Nemit Approving for M. Arey

Melvin L. Arey, Jr., Chairman
PWR Owners Group

cc: PWROG Management Committee
PWROG Steering Committee
PWROG Systems & Equipment Engineering Subcommittee
PWROG Licensing Subcommittee
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