



Program Management Office
4350 Northern Pike
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April 22, 2008

WCAP-16530-NP-A
Project Number 694

OG-08-137

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

Subject: PWR Owners Group
**Transmittal of NRC Approved Topical Report WCAP-16530-NP-A,
“Evaluation of Chemical Effects in Containment Sump Fluids to Support GSI-
191 (PA-SEE-0275)”**

References:

1. OG-06-387; Letter from F. P. Shiffley (PWROG) to U. S. Nuclear Regulatory Commission Document Control Desk, “Responses to the NRC Request for Additional Information (RAI) on WCAP-16530, ‘Evaluation of Chemical Effects in Containment Sump Fluids to Support GSI-191’,” November 21, 2006.
2. OG-07-129; Letter from F. P. Shiffley (PWROG) to U. S. Nuclear Regulatory Commission Document Control Desk, “Responses to the NRC Second Set of Request for Additional Information (RAIs) on WCAP-16530, ‘Evaluation of Chemical Effects in Containment Sump Fluids to Support GSI-191’,” April 3, 2007.
3. OG-07-408; Letter from F. P. Shiffley (PWROG) to U. S. Nuclear Regulatory Commission Document Control Desk, “Responses to NRC Requests for Clarification Regarding WCAP-16530, ‘Evaluation of Chemical Effects in Containment Sump Fluids to Support GSI-191 (PA-SEE-0275)’,” September 12, 2007.
4. Letter from H. K. Nieh (NRC) to G. Bischoff (PWROG), “Final Safety Evaluation for Pressurized Water Reactor Owners Group (PWROG) Topical Report (TR) WCAP-16530-NP, ‘Evaluation of Chemical Effects in Containment Sump Fluids to Support GSI-191’ (TAC No. MD1119),” December 21, 2007.

This letter transmits four (4) non proprietary copies of WCAP-16530-NP-A, entitled “Evaluation of Chemical Effects in Containment Sump Fluids to Support GSI-191,” dated March 2008. WCAP-16530-NP-A contains the staff’s Safety Evaluation. This transmittal completes action on topical report WCAP-16530-NP-A, thus, the PWROG requests that TAC No. MD1119 be closed.

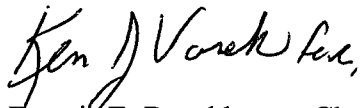
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During the course of preparing the approved version of this topical report, a typographical error was discovered within the text which had not been previously identified in correspondence with NRC. Specifically, on page 98 of the report, the values for coefficients C and D (used in the zinc release equation on page 97) were reversed. However, the conclusion of Section 6.2.2 of the topical report is that the resulting zinc release rates are relatively small and can be ignored in the chemical effects precipitation modeling. This conclusion was carried through in preparing the Chemical Effects Spreadsheet, which was issued with the topical report; the spreadsheet does not include the effects of zinc release. Consequently, in subsequent conversations between Christine DiMuzio (PWROG) and Holly Cruz (NRC) in March, 2008, it was reasoned that this change should be made to the text in the approved version without further consideration, since the change has no bearing on the results of any chemical effects analysis when the spreadsheet is used and no impact on the conclusions in the Final Safety Evaluation.

Other minor changes to the report text, which were not previously identified, consist only of revising references from WOG to PWROG, and in updating the PWROG member participation list on page iv and v.

If you require further information, please contact Mr. Reginald R. Dulaney in the Owners Group Program Management Office at 412-374-6549.

Regards,



Dennis E. Buschbaum, Chairman
PWR Owners Group

DEB:RRD:sv

Enclosure: Topical Report WCAP-16530-NP-A

cc: PWROG Steering Committee
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PWROG Licensing Subcommittee
PWROG Systems and Equipment Engineering Subcommittee
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