

February 25, 2013

Mr. W. Anthony Nowinowski, Program Manager
PWR Owners Group, Program Management Office
Westinghouse Electric Company
1000 Westinghouse Drive, Suite 380
Cranberry Township, PA 16066

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION RE: PRESSURIZED WATER
REACTOR OWNERS GROUP TOPICAL REPORT WCAP-17308-NP,
REVISION 0, "TREATMENT OF DIESEL GENERATOR (DG) TECHNICAL
SPECIFICATION FREQUENCY AND VOLTAGE TOLERANCES"
(TAC NO. ME8689)

Dear Mr. Nowinowski:

By letters dated May 1 and September 11, 2012 (Agencywide Documents Access and Management System Accession Nos. ML12234A250 and ML12261A364, respectively), the Pressurized Water Reactor Owners Group submitted a topical report (TR), WCAP-17308-NP, Revision 0, "Treatment of Diesel Generator (DG) Technical Specification Frequency and Voltage Tolerances," for U.S. Nuclear Regulatory Commission (NRC) staff review. Upon review of the information provided, the NRC staff has determined that additional information is needed to complete the review. Mr. Chad Holderbaum, of your staff, and I agreed that the NRC staff will receive your response to the enclosed Request for Additional Information (RAI) questions within 30 days of the date of this letter. If you have any questions regarding the enclosed RAI questions, please contact me at 301-415-4053.

Sincerely,

/RA/

Jonathan G. Rowley, Project Manager
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Project No. 694

Enclosure:
RAI questions

cc w/encl: See next page

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NRR-106

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DATE	02/08/2013	02/14/2013	02/25/2013	02/25/2013

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PWR Owners Group

Project No. 694

cc:

Mr. James A. Gresham, Manager
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Westinghouse Electric Company
1000 Westinghouse Electric Company
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greshaja@westinghouse.com

**REQUEST FOR ADDITIONAL INFORMATION (RAI) QUESTIONS
PRESSURIZED WATER REACTOR (PWR) OWNERS GROUP
WCAP-17308-NP, REVISION 0
TREATMENT OF DIESEL GENERATOR (DG) TECHNICAL SPECIFICATION
FREQUENCY AND VOLTAGE TOLERANCES
(TAC NO. ME8689)**

EPTB- RAI 1

The “List of Symbols” on pages xii through xiv needs to be reviewed against the document for completeness and accuracy. There are numerous instances where the symbol title does not match what is in the document and there are symbols in the document that are not included in the List of Symbols.

EPTB-RAI 2

Please explain why the uncertainty in measured pressure is not taken into account in Section 2.2.5.

EPTB-RAI 3

Section 2.4.2 states that Table 2-2 assumes the uncertainty in ΔH is 34.65 feet. Please explain why this value was chosen. Does this uncertainty include instrument accuracy? If not, explain where instrument accuracy is taken into account.

EPTB-RAI 4

Section 3.2 states that “A calculated change in diesel generator loading due to steady-state variation in frequency will also require a commensurate evaluation of the impact on fuel oil consumption as a result of the change in loading.” Please explain why an evaluation of the impact on the required amount of stored fuel oil is not required as well.

EPTB-RAI 5

Section 4.4 states that the equation 26 definition comes from the Joint Owners Group (JOG) definition for determining margin. Equation 26 is not exactly like the JOG definition. The JOG definition for margin of gate and globe valves reads:

$$\text{Margin (\%)} = \frac{\text{Adjusted Actuator Output Thrust} - \text{Adjusted Required Thrust}}{\text{Adjusted Required Thrust}} \times 100$$

It is not clear if actuator uncertainty is accounted for in equation 26. Please describe how actuator uncertainty is accounted for in the equation.

ENCLOSURE