SIEMENS
Westinghouse

March 20, 2003

Mr. Brian Benney
Project Manager, Section 2
Project Directorate IV
Division of Licensing Project Management
Document Processing Center, Mail Stop 07E1
United States Nuclear Regulatory Commission
Washington, DC 20555-0001

Subject: Siemens Westinghouse Power Corporation Topical Report Submittal, "Missile Probability Analysis of BB81/281 13.9m^2 "

Dear Sir:

On March 5, 2003 Siemens Westinghouse submitted the above referenced Topical Report to the NRC for review and approval. You later contacted us to advise that the confidentiality statement at the bottom of each page of the report prevented the NRC from further processing the submittal. It was advised that we forward a letter to you releasing the NRC from this confidentiality agreement.

Accordingly, the purpose of this letter is to advise that Siemens Westinghouse releases the NRC from the confidentiality agreement so that they may proceed with the submittal process. Thus transmitting, reproduction, dissemination and/or editing of the submittal document within the NRC are acceptable. We only ask that the submittal document not be released into the public domain. Thank you for contacting us on this matter.

Regards,

Peter Bird

Peter Bird
Field Service Engineering S326
Siemens Westinghouse Power Corporation
Phone: (407) 736-4686

cc: James McCracken S326
Jim Auman S326

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Subject: Siemens Westinghouse Power Corporation Topical Report Submittal, "Missile Probability Analysis of BB81/281 13.9m^2 "

Dear Sir:

Missile probability analysis is presented for the Siemens 13.9m^2 retrofit design of LP turbine (See Enclosure 1). These modern upgraded designs are used in various applications including replacement of Westinghouse original BB81 and BB281 nuclear LP rotors and internals.

Results of the P_1 analysis indicate that the missile probabilities remain well below the Nuclear Regulatory Commission (NRC) limits of $1E^{-4}$ for a favorably oriented unit and $1E^{-5}$ for an unfavorably oriented unit for up to 100,000 operating hours between disc inspections providing that no cracks are detected in the discs. Previously, in the Siemens submittal for the Limerick unit (See Enclosures 2 and 3), the NRC had approved the missile analysis methodology for 10 years, which is about 87,600 operating hours. The subject report justifies external missile probabilities out to 100,000 operating hours in comparison with the NRC limits.

We request NRC review and approval of the 100,000 operating hour inspection interval for Siemens LP retrofits with shrunk-on rotor discs and modern upgraded features as typically described for this 13.9m^2 design.

I have mailed one copy of the reports to Document Processing Center and the second copy directly to Brian Benney. Should you have any questions or need for additional information, please contact the writer.

Regards,

Peter Bird

Peter Bird
Field Service Engineering S326
Siemens Westinghouse Power Corporation

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Enclosures:

1. "Missile Probability Analysis of BB81/281 13.9m^2 ", by Dr. A. Bagaviev and P. Bird, February 26, 2003, CT-27332, Siemens Westinghouse Restrictive.
2. Letter from Mr. Bartholomew C. Buckley, NRC Senior Project Manager to Mr. George A. Hunger, Jr., PECO Energy Company Director of Licensing, dated February 3, 1998, Subject: Limerick Generating Station (LGS), Units 1 and 2 of Main Turbine Rotor Replacement, Extension of Turbine Rotor Inspection Intervals and Valve Testing Frequencies (TAC Nos. M99341 and M99342).
3. "Safety Evaluation of the Submittal to Replace Turbine Rotors at the Limerick Generating Station Units 1 and 2", NRC Docket Nos. 50-352 and 50-353.

cc: James McCracken S326
Jim Auman S326
Andreas Feldmueller S327
Dr. Albert Bagaviev S321