



P B M R

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Date:
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Your Ref.:

Our Ref.:
USDC20070322-1

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U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

NRC Project No. 732

Attention: Mr. N. Prasad Kadambi

Subject: PBMR Preapplication Interactions

Ref: (1) PBMR (Pty) Ltd. Letter, Subject: PBMR Preapplication Phase 2
Interactions, December 8, 2005

(2) PBMR (Pty) Ltd. Letter, Subject: Submittal of PBMR Preapplication
Papers, May 1, 2006

In our letter summarizing our planned preapplication interactions (reference 1), Pebble Bed Modular Reactor (Proprietary) Limited ("PBMR") described an interactions process for review and comment on white paper submittals. Between June and December 2006, PBMR submitted the first four white papers on PRA, LBE Selection, SSC Classification and Defense-in-Depth as agreed in our follow-up May 1, 2006 letter (reference 2). During 2007 and 2008 we plan to submit the remainder of white papers for review by the NRC. To discuss the schedule for these submittals and to obtain NRC feedback on the four papers submitted during 2006, we request a one-day meeting be held during the last week of April 2007, preferably on April 26, 2007.

PBMR expects the Design Certification Application (DCA) itself to be derived from the South African Demonstration Project SAR which will reduce the development burden. However, the development of the PRA for the commercial plant design must begin this process well in advance of the production of the DCA itself. Consequently, a more aggressive program for the review of the first four white papers is essential since they set the foundation for the risk-informed, performance-based approach we advocate for this non-LWR design. Our planning assumes that the PRA work must begin in September 2007 in order to sufficiently complete work for a DCA application. To do this we expect to have substantially progressed the dialogue with the NRC staff on the first four white papers, and continued with the development, submittal and review of other proposed papers. This will allow the bulk development of the DCA to begin in early 2008. If the efforts of the Staff and PBMR are successful, this will permit a DCA application in the later half of 2009.

Please provide confirmation of the next meeting as requested above, any advanced or formal RAIs for the first paper, and any other issues that you would like to include in the agenda. If you have any questions about this submittal, please feel free to contact me.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'E. Wallace', written in a cursive style.

Edward G. Wallace
Senior General Manager- US Programs
PBMR (Pty) Ltd.

Cc: Mr. Farouk Eltawila, RES
Ms. Christiana Lui, RES
Mr. James Danna, RES
Mr. Stuart J. Rubin, RES
Ms. Margaret T Bennett, RES

cc: Ms. Christiana Lui, RES
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Mr. Stuart J. Rubin, RES
Mr. Lawrence J. Burkhart, NRR