



**P B M R**

**Pebble Bed Modular Reactor (Proprietary) Limited**

Reg. No: 1999/17946/07

1279 Mike Crawford Avenue Centurion 0046 Republic of South Africa

PO Box 9396, Centurion, 0046 Tel +27 12 641 1000

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Your Ref.:

Our Ref.:  
USDC20080501-1

Enquiries:  
E.G. Wallace  
TEL:US 423-344-6774

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

NRC Project No. 732

Attention: Mr. Wesley W. Held

Subject: PBMR White Paper: High-Temperature Materials - Metallics

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

Enclosed is the white paper entitled "High-Temperature Materials – Metallics", Revision 1. This paper describes Pebble Bed Modular Reactor (Pty) Limited's (PBMR's) approach to addressing selected issues pertaining to the design and qualification of metallic components. The scope of this paper covers those metallic structures and components applied in the PBMR reactor and major supporting systems for which Nuclear Regulatory Commission (NRC) regulatory compliance is not fully clarified in regulations or guidance. Your review and feedback on next steps are appreciated.

This paper has no proprietary information included and may be placed in NRC's Agencywide Documents Access and Management System (ADAMS). If you have any questions about this submittal, please feel free to contact me.

Yours sincerely,

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

Enclosure

cc: Mr. William B. Reckley, NRO  
Mr. N. Prasad Kadambi, RES  
Mr. John R. Jolicoeur, RES  
Mr. Stuart J. Rubin, RES