

February 14, 2006

MEMORANDUM TO: Farouk Eltawila, Director  
Division of Systems Analysis and Regulatory Effectiveness  
Office of Nuclear Regulatory Research

THRU: James G. Danna, Acting Branch Chief **/Jose Ibarra for/**  
Advanced Reactors and Regulatory Effectiveness Branch  
Division of Systems Analysis and Regulatory Effectiveness  
Office of Nuclear Regulatory Research

FROM: N. Prasad Kadambi **/RA/**  
Advanced Reactors and Regulatory Effectiveness Branch  
Division of Systems Analysis and Regulatory Effectiveness  
Office of Nuclear Regulatory Research

SUBJECT: FAMILIARIZATION MEETING WITH PEBBLE BED MODULAR  
REACTOR, (PTY) LTD. REGARDING SAFETY DESIGN AND  
ANALYSIS, AND PLANT OPERATIONS AND EVENTS OF THE  
PEBBLE BED MODULAR REACTOR (PBMR)

DATE AND TIME March 15 & 16, 2006  
9:00 a.m. – 5:00 p.m.

LOCATION: U.S. Nuclear Regulatory Commission  
One White Flint North  
Room O7-B4  
11540 Rockville Pike  
Rockville, Maryland 20852

PURPOSE: To develop familiarity with the PBMR safety design and analysis and  
plant operation and events

CATEGORY 1:\* The public is invited to observe this meeting and will have the  
opportunity to communicate with the NRC after the business portion of  
the meeting, but before the meeting is adjourned.

Certain portions of this meeting may be closed to the public to discuss  
proprietary information.

PARTICIPANTS: Participants from the NRC include members from the Offices of Nuclear  
Regulatory Research, Nuclear Reactor Regulation, Nuclear Security and  
Incident Response, and Nuclear Material Safety and Safeguards.

\*Commission's Policy Statement on "Enhancing Public Participation in NRC Meetings,"  
67 *Federal Register* 36920, May 28, 2002.

F. Eltawila

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N. P. Kadambi, RES  
et. al.

PBMR (Pty) Ltd  
E. Wallace  
E. Burns  
et. al.

Project No.: 732  
Enclosure: Agenda

cc: See list

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\*See Previous Concurrence

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DATE	0213/06	02/13/06	02/14/06	0214/06	02/13/06	02/13/06

## **PBMR Safety and Design Familiarization Agenda**

### **Safety design and analysis, and plant operations and events (See ADAMS ML060370388)**

#### Wednesday, March 15, 2006, Room O-7 B4

- 9:00 a.m. Introductory Remarks
- 9:15 a.m. Plant Operations Overview
- 10:15 a.m. Operating Conditions and Modes
- 10:30 a.m. Break
- 10:45 a.m. Fuel
- 12:15 p.m. Lunch
- 1:15 p.m. Safety Design Approach
- 2:15 p.m. Top Level Regulatory Criteria (TLRC)
- 3:15 p.m. Break
- 3:30 p.m. Public Comments
- 3:45 p.m. Proprietary Discussions, if necessary (closed to public)
- 4:00 p.m. Open Discussion

#### Thursday, March 16, 2006, Room O-7 B4

- 9:00 a.m. Integrated Deterministic and Probabilistic Safety Analysis Approach
- 10:30 a.m. Break
- 10:45 a.m. Integrated Deterministic and Probabilistic Safety Analysis Approach (Cont'd)
- 12:15 p.m. Lunch
- 1:15 p.m. Event Identification and Categorization
- 2:15 p.m. Event Analysis
- 3:15 p.m. Break
- 3:30 p.m. Risk Analysis
- 4:00 p.m. Public Comments
- 4:15 p.m. Wrap-up Discussions

DISTRIBUTION FOR MEETING NOTICE WITH PBMR (PTY) LTD ON PBMR REGARDING SAFETY DESIGN AND ANALYSIS, AND PLANT OPERATIONS AND EVENTS OF THE PBMR ON MARCH 15-16, 2006

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