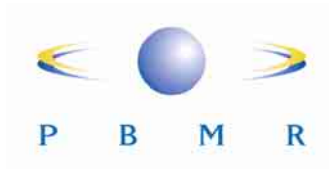


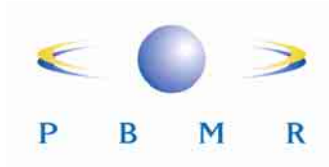
Safety and Design Familiarization

March 15-16, 2006



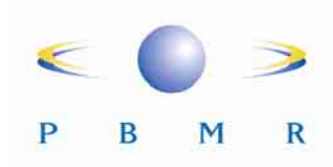
Pre-Application Objectives

- **Prepare for completing a Design Certification (DC) application for commercial PBMRs as soon as possible to support U.S. utility long range planning evaluations**
- **Establish a clear path forward for PBMR / HTGR licensing in the U.S.**
- **Clarify issues identified in Exelon's pre-application work still relevant to submitting a PBMR DC application**
- **Identify any new issues that require pre-application work or inclusion in the DC application**
- **Identify any further development and testing required for PBMR certification in the U.S.**



Pre-Application Phase 2 Objectives

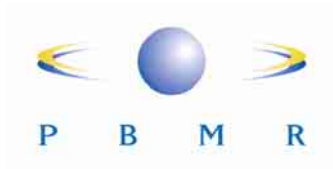
- **Conduct initial familiarization sessions for assigned NRC reviewers on the PBMR design, operations and safety approach.**
 - Session 1 - Plant design principles, layout and systems
 - Session 2 - Safety design and analysis, and plant operations and events
- **Obtain feedback from the NRC through the review of individual white papers addressing each of the focus topics identified during the Phase 1 Planning.**
- **Each white paper will comprise a substantive discussion on a specific topic, including technical, regulatory and policy issues.**
- **Submit a comprehensive version of a format and content guide tailored to the submission of a non-LWR DC application.**



Familiarization Session 2

Wednesday, March 15, 2006

| | |
|-------------------|--|
| 9:00 a.m. | Introductory Remarks |
| 9:15 a.m. | Plant Operations and Maintenance Overview |
| 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. | Definition of Event Sequences |
| 2:45 p.m. | Break |
| 3:00 p.m. | Response to Events - PCU Transients |
| 3:45 p.m. | Response to Events - Reactivity Transients |
| 4:00 p.m. | Proprietary Discussions , if necessary (closed to public) |
| | Open Discussion |



Familiarization Session 2

Thursday, March 16, 2006

- 9:00 a.m. Response to Events - Precooler and Intercooler Leaks/Breaks**
- 10:30 a.m. Break**
- 10:45 a.m. Response to Events-HPB Leaks and Breaks**
- 11:30 p.m. Wrap-up Discussions**
- 11:45 p.m. Public Comments**