

August 19, 2003

MEMORANDUM TO: Laura Dudes, Section Chief  
New, Research and Test Reactors Program  
Division of Regulatory Improvement Programs  
Office of Nuclear Reactor Regulation

FROM: Belkys Sosa, ACR-700 Project Manager */RA/*  
New, Research and Test Reactors Program  
Division of Regulatory Improvement Programs  
Office of Nuclear Reactor Regulation

SUBJECT: FORTHCOMING MEETING WITH ATOMIC ENERGY OF CANADA  
LIMITED (AECL) REGARDING THE ADVANCED CANDU REACTOR  
(ACR-700) DESIGN

DATE & TIME: Wednesday, September 3, 2003  
8:30 a.m. - 5:00 p.m.  
Thursday, September 4, 2003  
8:00 a.m. - 5:00 p.m.

LOCATION: U.S. Nuclear Regulatory Commission (NRC)  
One White Flint North, Room O-13 B4  
11545 Rockville Pike  
Rockville, Maryland 20852

PURPOSE: AECL technical presentations on ACR-700 On-Power Fueling and on  
Fuel Design (see attached agenda).

CATEGORY 1: The public is invited to observe this meeting and will have one or more  
opportunities to communicate with the NRC after the business portion,  
but before the meeting is adjourned.

PARTICIPANTS: Participants from the NRC include members from the Office of Nuclear  
Reactor Regulation (NRR) and the Office of Research (RES).

<u>NRC</u>	<u>AECL</u>
F. Eltawila, RES	V. Langman, et al.
J. Lyons, NRR	
B. Sosa, NRR, et al.	

Attachment: Agenda

Project No. 722

cc: See next page

CONTACT: Belkys Sosa, NRR  
301-415-2375, [BXS2@nrc.gov](mailto:BXS2@nrc.gov)

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

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OFFICE	PM:RNRP	DD:RNRP
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DATE	08/13/03	08/18/03

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## **ACR-700 On-Power Fueling and Fuel Design Meeting Agenda**

### **September 3, 2003: On-Power Fueling**

8:30 a.m.	Introductory Comments - NRC
8:45 a.m.	Introductory Remarks - AECL
9:00 a.m.	Fueling Scheme
9:45 a.m.	Overview of Fueling Equipment and Interfaces
10:30 a.m.	Break
10:45 a.m.	Design Features to Enhance Safety
11:45 a.m.	Opportunity for Public Comments
12:00 noon	Lunch
1:00 p.m.	ACR Fuel Handling Systems
2:30 p.m.	Break
2:45 p.m.	Current CANDU Design & Experience
3:30 p.m.	NRC/AECL Technical questions/discussions
4:45 p.m.	Opportunity for Public Comments
5:00 p.m.	Adjourn

### **September 4, 2003: Fuel Design**

8:00 a.m.	Introductory Comments - NRC
8:15 a.m.	Introductory Remarks - AECL
8:30 a.m.	CANDU Fuel Design
9:00 a.m.	Qualification of CANDU Fuel
9:45 a.m.	Fuel Design Codes & Predictions
10:30 a.m.	Break
10:45 a.m.	Conceptual ACR Fuel Design
11:45 a.m.	Opportunity for Public Comments
12:00 noon	Lunch
1:00 p.m.	Detailed ACR Fuel Design
2:30 p.m.	Break
2:45 p.m.	Experience Relevant to ACR Fuel
3:15 p.m.	ACR Fuel Qualification
4:00 p.m.	NRC/AECL Technical questions/discussions
4:45 p.m.	Opportunity for Public Comments
5:00 p.m.	Adjourn

**NOTE: Specific topics and associated discussion times may change without notice**

Contact: Belkys Sosa, NRR  
301-415-2375, bxs2@nrc.gov

Attachment

Distribution for September 3-4, 2003, Meeting Notice dated August 19, 2003

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ACR-700

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