

October 31, 2002

ORGANIZATION: ATOMIC ENERGY OF CANADA LIMITED (AECL)

SUBJECT: SUMMARY OF MEETING HELD ON SEPTEMBER 25-26, 2002, TO
DISCUSS ACR-700 DESIGN AND PLANS FOR PRE-APPLICATION
INTERACTIONS

The Nuclear Regulatory Commission (NRC) hosted a public meeting with Atomic Energy of Canada Limited (AECL) on September 25-26, 2002, at NRC Headquarters to discuss the Advanced CANDU Reactor (ACR-700) design and plans for pre-application interactions. A list of attendees is provided as Enclosure 1.

By letter dated June 19, 2002, AECL requested a pre-application review of the ACR-700 reactor design. The ACR-700 is a 731 MWe, heavy water moderated, light water cooled, pressurized water reactor design, which utilizes an on-line refueling capability. AECL provided a broad overview for the staff on the design and technology base for the ACR-700 as well as more detailed presentations in several technical areas. The staff provided a presentation that identified potential areas for early staff interactions with AECL on technology-specific expertise, analysis capabilities, and data needed for assessing the ACR-700 design. AECL provided a proposed pre-application review plan which is currently under review by the staff. The staff intends on providing feedback to AECL on the submitted plan to ensure that any major NRC concerns with the ACR design, along with supporting information required for NRC review, are identified early in the licensing process. The meeting agenda is provided as Enclosure 2. The meeting handouts are provided as Enclosure 3 and may be accessed through the ADAMS system under Accession No. ML022810605. This system provides text and image files of NRC's publicly available documents. If you do not have access to ADAMS or if there are problems in accessing the handouts located in ADAMS, contact the NRC Public Document Room (PDR) Reference staff at 1-800-397-4209, 301-415-4737, or by e-mail to pdr@nrc.gov.

/RA/

Robert J. Pascarelli, Project Manager ACR-700
New Reactor Licensing Project Office
Office of Nuclear Reactor Regulation

Project No. 722

Enclosures: As stated

cc w/encls: See next page

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ADAMS ACCESSION NUMBER: ML022900264-Pkg.

OFFICE	PM:NRLPO	DD:NRLPO
NAME	RPascarelli	MGamberoni
DATE	10/18/2002	10/18/2002

OFFICIAL RECORD COPY

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CCarpenter

DThatcher

GBachi

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RLandry

DTerao

UShoop

PREbstock

GThomas

JMuscara

GBedi

TAttard

ARubin

RLee

JHuang

JRidgely

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AECL Presentation on the ACR-700 Design

September 25-26, 2002 TWF Auditorium 8:00 AM - 5:00 PM

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Agenda for Meeting to Discuss
the ACR-700 Design
September 25-26, 2002

September 25, 2002:

8:30 a.m. - 8:45 a.m.	Introductory Comments (NRC)
8:45 a.m. - 9:00 a.m.	Introduction (AECL)
9:00 a.m. - 10:30 a.m.	An Overview of the ACR Design (AECL)
10:30 a.m. - 12:00 Noon	An Overview of the ACR Technology Base (AECL)
12:00 Noon - 12:15 p.m.	Opportunity for public comment
12:15 p.m. - 1:15 p.m.	Lunch
1:15 p.m. - 4:45 p.m.	The ACR Design (AECL)
	• Reactor and Fuel Handling
	• Core Physics
	• PCS, ECCS, Moderator System and Auxiliaries Safety Systems, Safety Support Systems and Safety Assessment
4:45 p.m. - 5:00 p.m.	Opportunity for public comment
5:00 p.m.	Adjourn

September 26, 2002:

8:30 a.m. - 12:00 Noon	Technology Base for the ACR (AECL)
	Core Physics and Fuel
	Fuel Channels
	Thermal Hydraulics
12:00 Noon - 12:15 p.m.	Opportunity for public comment
12:15 p.m. - 1:15 p.m.	Lunch
1:15 p.m. - 2:00 p.m.	Technology Base for the ACR (Continued, AECL)
	Containment
2:00 p.m. - 3:00 p.m.	Qualification Process for ACR Safety Analysis Computer Codes (AECL)
3:00 p.m. - 4:00 p.m.	Developing Technical Insights on ACR-700 (NRC/RES)
4:00 p.m. - 4:30 p.m.	General Discussion (NRC)
4:30 p.m. - 4:45 p.m.	Opportunity for Public Comment
4:45 p.m. - 5:00 p.m.	Conclusion (NRC)
5:00 p.m.	Adjourn

ACR-700

cc:

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