

December 10, 2002

ORGANIZATION: ATOMIC ENERGY OF CANADA LIMITED (AECL)

SUBJECT: SUMMARY OF MEETING HELD ON OCTOBER 30, 2002, TO DISCUSS
THE APPLICABILITY OF FOREIGN CODES AND STANDARDS

The Nuclear Regulatory Commission (NRC) hosted a public meeting with Atomic Energy of Canada Limited (AECL) on October 30, 2002, at the U.S. Nuclear Regulatory Commission (NRC) Headquarters to discuss the applicability of foreign codes and standards to NRC licensing requirements. By letter dated June 19, 2002, AECL requested a pre-application review of the Advanced CANDU Reactor-700 (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. A list of attendees from this meeting is provided as Enclosure 1.

AECL provided a presentation of a proposed pilot program that would be performed at an independent laboratory in the United States. AECL recommended one of the following three candidates for the pilot program: (1) review and acceptance of vendor accident analysis computer codes; (2) review and acceptance of foreign engineering codes and standards; or (3) review and acceptance of CANDU accident analysis methodology and acceptance criteria. The purpose of exercising this pilot program would be to test the process for determining the technical adequacy of foreign based codes and standards. The laboratory would issue a report which would evaluate the technical acceptability of the foreign codes or standards and provide recommendations for closing any significant gaps.

The staff discussed the pilot program with AECL and identified potential non-technical policy issues which included the source of funding and selection of the independent laboratory for the pilot program. AECL agreed to send a memorandum to the NRC outlining their proposal so that the NRC would have an opportunity to formally respond. The meeting agenda is provided as Enclosure 2. Meeting handouts are provided as Enclosure 3 which can be accessed through the NRC's Agencywide Documents Access and Management System (ADAMS) under Accession No. ML023090410.

/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

December 10, 2002

ORGANIZATION: ATOMIC ENERGY OF CANADA LIMITED (AECL)

SUBJECT: SUMMARY OF MEETING HELD ON OCTOBER 30, 2002, TO DISCUSS
THE APPLICABILITY OF FOREIGN CODES AND STANDARDS

The Nuclear Regulatory Commission (NRC) hosted a public meeting with Atomic Energy of Canada Limited (AECL) on October 30, 2002, at the U.S. Nuclear Regulatory Commission (NRC) Headquarters to discuss the applicability of foreign codes and standards to NRC licensing requirements. By letter dated June 19, 2002, AECL requested a pre-application review of the Advanced CANDU Reactor-700 (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. A list of attendees from this meeting is provided as Enclosure 1.

AECL provided a presentation of a proposed pilot program that would be performed at an independent laboratory in the United States. AECL recommended one of the following three candidates for the pilot program: (1) review and acceptance of vendor accident analysis computer codes; (2) review and acceptance of foreign engineering codes and standards; or (3) review and acceptance of CANDU accident analysis methodology and acceptance criteria. The purpose of exercising this pilot program would be to test the process for determining the technical adequacy of foreign based codes and standards. The laboratory would issue a report which would evaluate the technical acceptability of the foreign codes or standards and provide recommendations for closing any significant gaps.

The staff discussed the pilot program with AECL and identified potential non-technical policy issues which included the source of funding and selection of the independent laboratory for the pilot program. AECL agreed to send a memorandum to the NRC outlining their proposal so that the NRC would have an opportunity to formally respond. The meeting agenda is provided as Enclosure 2. Meeting handouts are provided as Enclosure 3 which can be accessed through the NRC's Agencywide Documents Access and Management System (ADAMS) under Accession No. ML023090410.

/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

ADAMS ACCESSION NUMBER: ML023370206-Pkg.

OFFICE	PM:NRLPO	DD:NRLPO
NAME	RPascarelli	MGamberoni
DATE	12/9/2002	12/10/2002

OFFICIAL RECORD COPY

Distribution for October 30, 2002, Meeting Summary dated December 10, 2002

Hard Copy

NRLPO R/F

PUBLIC

RPascarelli

BRini

MGamberoni

E-Mail:

PUBLIC

SCollins/JJohnson

BSheron

RBorchardt

FGillespie

SBlack

BBoger

WDean

TMarsh

RBarrett

NRLPO Group

DMatthews

Mel-Zeftawy

MJohnson

NRLPO Group

RMcIntyre

ESullivan

EThrom

ADroz

DTrimble

SRubin

PPrescott

WJenson

KPoertner

JStrnisha

FGrubeuch

ABehbahani

SBasu

RTripathi

ETrager

FOrr

SUnikewicz

AThadani

FEltawila

CAder

DMatthews

G.Holahan

JFlack

Jlbarra

JZwolinski

JShea

MCullingford

OPA

KBurke

DCarlson

CCarpenter

DThatcher

GBachi

RCaruso

RLandry

DTerao

UShoop

PRebstock

GThomas

JMuscara

GBedi

TAttard

ARubin

RLee

JHuang

JRidgely

CGreene

JIsom

AECL Presentation on the Applicability of Foreign Codes and Standards

October 30, 2002 Room 0-4B4 2:00- 4:00 PM

ATTENDANCE LIST

Name	Affiliation	Phone	E-Mail
Robert Pascarelli	NRC/NRLPO	301-415-1245	rjp3@nrc.gov
Dave Terao	NRC/NRR/DE/EMEB	301-415-3317	dxt@nrc.gov
Ray Reith	Bechtel	301-228-6938	rjreith@bechtel.com
Walton Jensen	NRC/NRR/DSSA/SRXB	301-415-2856	wlj@nrc.gov
Stuart Rubin	NRC/RES/DSARE	301-415-7480	sdr1@nrc.gov
Edmund Sullivan	NRC/NRR/DE	301-415-2796	ejs@nrc.gov
Linsey McDaniel	DOE/NE-30	301-903-1590	linsey.mcdaniel@hq.doe.gov
Charles Brinkman	Westinghouse	301-881-7040	brinkmanb@westinghouse.com
Tom King	NRC/RES	301-415-6345	tlk@nrc.gov
Richard McIntyre	NRC/NRR/DIPM/IEHB	301-415-3215	rpm1@nrc.gov

Agenda for Meeting to Discuss
Foreign Codes and Standards
October 30, 2002

2:00 p.m.- 2:30 p.m.	Introductory comments (AECL)
2:30 p.m. - 3:30 p.m.	Discussion of proposed approaches (All)
3:30 p.m. - 3:45 p.m.	Opportunity for public comment (All)
3:45 p.m. - 4:00 p.m.	Conclusions/ next steps
4:00 p.m.	Adjourn

ACR-700

cc:

Mr. Charles Brinkman
Westinghouse Electric Co.
Washington Operations
12300 Twinbrook Parkway, Suite 330
Rockville, MD 20852

Mr. Thomas P. Miller
U.S. Department of Energy
NE-20, Rm. A286
Headquarters - Germantown
19901 Germantown Road
Germantown, MD 20874-1290

Mr. David Lochbaum
Nuclear Safety Engineer
Union of Concerned Scientists
1707 H Street, NW, Suite 600
Washington, DC 20006-3919

Mr. Paul Gunter
Nuclear Information & Resource Service
1424 16th Street, NW, Suite 404
Washington, DC 20036

Mr. James Riccio
Greenpeace
702 H Street, NW, Suite 300
Washington, DC 20001

Mr. Ron Simard
Nuclear Energy Institute
Suite 400
1776 I Street, NW
Washington, DC 20006-3708

Patricia Campbell
Winston & Strawn
1400 L Street, NW
Washington, DC 20005

Mr. Ed Rodwell, Manager
PWR Design Certification
Electric Power Research Institute
3412 Hillview Avenue
Palo Alto, CA 94304-1395

Mr. Edwin Lyman
Nuclear Control Institute
1000 Connecticut Avenue, NW
Suite 410
Washington, DC 20036

Mr. Jack W. Roe
SCIENTECH, INC.
910 Clopper Road
Gaithersburg, MD 20878

Mr. David Ritter
Research Associate on Nuclear Energy
Public Citizens Critical Mass Energy
and Environmental Program
215 Pennsylvania Avenue, SE
Washington, DC 20003

Mr. James F. Mallay, Director
Regulatory Affairs
FRAMATOME, ANP
3315 Old Forest Road
Lynchburg, VA. 24501

Mr. Tom Clements
6703 Gude Avenue
Takoma Park, MD 20912

Mr. Vince Langman
Licensing Manager
Atomic Energy of Canada Limited
2251 Speakman Drive
Mississauga, Ontario
Canada L5K 1B2

Mr. Victor G. Snell
Director of Safety and Licensing
Atomic Energy of Canada Limited
2251 Speakman Drive
Mississauga, Ontario
Canada L5K 1B2

Mr. Glenn R. George
PA Consulting Group
130 Potter Street
Haddonfield, NJ 08033

J. Alan Beard
GE Nuclear Energy
13113 Chestnut Oak Drive
Darnestown, MD 20878-3554

Mr. James Blyth
Canadian Nuclear Safety Commission
280 Slater Street, Station B
P.O. Box 1046
Ottawa, Ontario
K1P 5S9

Mr. Gary Wright, Manager
Office of Nuclear Facility Safety
Illinois Department of Nuclear Safety
1035 Outer Park Drive
Springfield, IL 62704

Dr. Gail H. Marcus
U.S. Department of Energy
Room 5A-143
1000 Independence Ave., SW
Washington, DC 20585

Mr. Michael M. Corletti
Passive Plant Projects & Development
AP600 & AP1000 Projects
Westinghouse Electric Company
P. O. Box 355
Pittsburgh, PA 15230-0355