



AECL

AECL Technologies

15400 Calhoun Drive
Suite 100
Rockville Maryland
20855 USA
1-800-USA-AECL
(301) 738-2005
Fax (301) 738-2246
Telex 403-442

June 4, 1991

Mr. Joseph G. Giitter
Senior Project Manager
Project 679
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Re: Response to a Request for a Presentation for the RES Advisory Committee Meeting.

Dear Mr. Giitter:

AECL Technologies is pleased to accept your invitation to make a presentation to the Nuclear Safety Research Committee on June 13, 1991. The focus of the presentation topic is the safety research and R&D program being conducted in support of our future application for a Standard Design Certification.

We understand that about a one-half hour presentation is planned, with about 15 minutes available for questions.

Our speaker for this meeting will be Helmut Keil, Manager, Physics. A brief vitae is attached.

We look forward to our participation in this important NRC activity.

Sincerely,

D.R. Shiflett
Vice President/General Manager
AECL Technologies

DRS:dw

cc: S. Azeez
A. Pasanen
S. Yu
H. Keil
L. Rib
R. Durante
T. Dorian
J. Coyne - TDS
Document Control Desk

9106110137 910604
PDR PROJ
679A PDR

A Division of AECL Inc.

2037

H. KEIL, P. Eng.

SUMMARY OF EXPERIENCE

H. Keil has worked for more than 17 years in the nuclear industry as an analyst, designer supervisor and manager. A summary of highlights, in chronological order, is as follows:

- (i) Manager, Physics - current position
- (ii) Manager, Safety Design and Assessment, CANDU-3. Responsible for the conceptual Design of the A Special Safety Systems and the preparation of the Probabilistic Safety Assessment (PSA) for CANDU-3.
- (iii) Program Supervisor for the CANDU 6 Development Program. Scope include both NSP and BOP portions of the plant.
- (iv) Team Leader on the use of Large Scale Modularization of the entire plant. Application to future CANDU nuclear power station construction.
- (v) Control and Instrumentation Representative on the CANDU 6 Development Program for 3 years.
- (vi) Supervisor for the study to adopt fibre optic distributed control technology for future CANDU design with particular application in Japan.
- (vii) Responsible for the preparation of CANDU nuclear power plant Technology Transfer programs in recent proposals to Korea and Yugoslavia. These TT programs included NSP and A/E services, technology and training.
- (viii) Responsible for the Conceptual Design of CANDU 6 Containment, ECC and Safety Related Systems.
- (ix) Safety Analyst for 2 years. Work included both code development and accident analysis.

OTHER WORK EXPERIENCE

Before joining AECL in 1977, H. Keil was employed by Dillworth, Secord, Meagher and Associates. Here, Mr. Keil's work experience consisted of thermohydraulic code developments, including a six month attachment at Whiteshell Nuclear Research Establishment and stress analysis of ASME Class I components.

EDUCATION

PhD (1974)
M.A. Sc (1968) in Mechanical Engineering
B.A. Sc (1967) University of Windsor

H. KEIL (continued)

LANGUAGES

First language - English
Some communication capability -German

AFFILIATIONS

Member Association of Professional Engineers of Ontario,
Member of American Association of Mechanical Engineers, ASME