

June 18, 2004

Our File: 108US-01321-021-001
108US-ACNU04-0004L
Your File: Project No. 722

Mr. James E. Lyons
Director, New Reactor licensing Project
Office of nuclear Reactor regulation
US NRC – M/S O-11 D17
11555 Rockville Pike
Rockville, MD 20852-2738
U.S.A.

Dear Mr. Lyons,

Re: ACR-700 Licensing Manager Reassignment

This letter is to inform you that effective June 21, 2004, Mr. Glenn Archinoff has been assigned as the ACR-700 Licensing Manager. Mr. Archinoff is replacing Mr. Vince Langman who is retiring.

Mr. Archinoff brings to the ACR-700 project over 25 years of technical and managerial experience in the nuclear safety and licensing field. Mr. Archinoff has extensive expertise in all aspects of nuclear safety analysis, licensing, safety system concepts and design, and process and control system operation for CANDU nuclear plants. He has been involved in various Canadian and international nuclear projects and with the regulatory and government organizations. Mr. Archinoff's resume, which is attached, reflects the overall technical and managerial attributes he brings and will apply to the ACR-700 licensing project.

With the addition of Mr. Archinoff to AECL's licensing team, AECL is re-affirming its commitment to pursuing a successful ACR-700 design certification in the U.S. and achieving a major milestone toward a North American deployment of the ACR-700.

Mr. Archinoff will be located in AECL Technologies office in Frederick, MD. We will be sending his AECL Technologies contact information shortly. Meantime, Mr. Archinoff can be contacted by telephone at (905)-823-9060, extension 6543 and by e-mail at archinoffg@aecl.ca.

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Please contact me at (905) 823-9060 extension 4596 if you have any questions regarding Mr. Archinoff or his assignment.

Yours sincerely,

A handwritten signature in black ink that reads "V.G. Snell".

Victor G. Snell
Director, ACR Safety and Licensing

/Attachment:

1. Resume - Glenn Archinoff

Attachment 1:

(Letter V.G. Snell to B. Sosa, "ACR-700 Licensing Manager Reassignment", June 18, 2004)

Glenn Archinoff

Relevant Skills and Expertise

- Project manager or team leader of Canadian and international nuclear safety projects.
- Technical Manager of Bruce A Restart Safety Analysis Project
- Managed Ontario Hydro's Darlington nuclear safety department in the design organization during the initial licensing process, successfully obtaining start-up approval of all 4 units within a 9-month period.
- Project and technical manager of the first Ontario Hydro generic Safety Report update, successfully completing the project on schedule.
- Expertise in all aspects of nuclear safety analysis, licensing, safety system concepts and design, and process and control system operation for CANDU nuclear plants,
- Demonstrated ability to cross technical discipline boundaries successfully, and to innovate quickly in new disciplines to produce timely, effective results,
- Co-developed the safety critical software verification method that was used to show the acceptability of the shutdown system software for Darlington.

Employment Experience

1999 to Present

PRESIDENT, CANDESCO RESEARCH CORPORATION, TORONTO, ONTARIO.

- Technical Manager of a project to introduce a new fuel design into the Bruce B reactors to improve reactor safety and restore the units to 100% FP.
- Provided strategic advice to Ontario Power Generation on dealing with safety and licensing issues related to consequences of Large Break Loss of Coolant Accidents.
- Participated in the development and documentation of the Safety Analysis Scope in Support of Bruce A Restart. This work identified the essential scope of safety analysis needed as a prerequisite to the restart of Bruce A Units 3 and 4, and additional analysis required after restart to support operation at the desired power level. Technical Manager of a multi-company project team that carried out the Bruce A Restart Safety Analysis (BARSA).
- Project Manager of the Licensing Basis Project, a project to reconcile the basis for licensing of Ontario Hydro's nuclear power plants, and to develop processes for managing licensing basis information in the future so that the licensing basis will be clear, understood and complied with.
- Project Manager of the Darlington Loss of Flow Trip Coverage Project for Ontario Hydro, a project to resolve outstanding issues with shutdown system effectiveness for partial Loss of Flow events. Project involves safety analysis, feasibility study of new trip parameters, assessment of options, option selection, engineering, installation and commissioning.

1993 to 1998

PRESIDENT, GARD TECHNOLOGY SOLUTIONS, INC., TORONTO, ONTARIO.

- Team leader and acting Technical Manager on an international safety assessment of the 2-unit RBMK 1500 Ignalina NPP in Lithuania. Led development of fault schedule and participated in Safety Analysis Report preparation. Developed recommendations for improvements to the Lithuanian government.
- Senior Team Leader on KANUPP Final Safety Analysis Report update, focussing on trip assessment, technical review and analysis integration. Developed scope, cost and schedule estimates for the project. Developed project quality assurance manual.
- Developed review guide for Small LOCA Safety Report sections for the Atomic Energy Control Board. The guide facilitates AECB staff review by identifying key regulatory requirements, presenting acceptance criteria, and by providing guidance on how to confirm the requirements are met. An electronic, hypertext version of the guide was prepared to provide a user-friendly interface.
- Consulted to AECB in discussions with AECL on the interpretation of regulatory requirements (C-6 Rev. 1) for the licensability review of CANDU 9.
- Performed analysis of shutdown system effectiveness and operating limits for NB Power. Advised on safety analysis requirements necessary to relax channel and bundle power limits.
- Prepared safety analysis quality assurance manual for NB Power and Hydro-Quebec.
- Performed safety analysis reviews of CANDU 3 and Pickering NGS A for the AECB.

1992 to 1993

**MANAGER-DARLINGTON NUCLEAR SAFETY AND LICENSING SERVICES DEPARTMENT,
ONTARIO HYDRO, TORONTO, ONTARIO.**

- Licensed all four units at Darlington for criticality (Unit 2 for re-criticality) within a 9-month period by providing licensing submissions on time and with acceptable content. No delays in criticality or commissioning were incurred due to licensing.
- Department staff confirmed the effect of fuel string relocation reactivity following a large break LOCA. Managed the communication process within Ontario Hydro such that within 3 days of confirming the validity of our findings, Ontario Hydro informed the AECB of the effect and that we had taken appropriate action to ensure the safety of all of Ontario Hydro nuclear plants. Managed the licensing process to ensure Darlington units continued to be permitted to operate at full power.

1990 to 1992

**COMPUTER SYSTEM SAFETY ENGINEER, NUCLEAR SAFETY DEPARTMENT, ONTARIO
HYDRO, TORONTO, ONTARIO.**

- Led a multi-departmental effort to resolve technical and licensing issues regarding the development of safety critical software. Worked closely with AECL and Ontario Hydro staff to develop improved software engineering methods.
- Initiated and guided development of a methodology for categorizing software with respect to nuclear safety. The procedure is used throughout Ontario Hydro to identify the necessary standards for software development, and was subsequently developed into a procedure issued by the CANDU Owners' Group.

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- Developed and delivered training course on Shutdown Systems design, operation and maintenance to Darlington nuclear safety and engineering staff.

1986 to 1990

SUPERVISING DESIGN ENGINEER-SAFETY SYSTEMS UNIT, NUCLEAR STUDIES AND SAFETY DEPARTMENT, ONTARIO HYDRO, TORONTO, ONTARIO.

- Responsible for safety system conceptual design and trip assessment. Required an in-depth understanding of process and control systems, mitigating systems and special safety systems of all Ontario Hydro nuclear stations, and included development and application of analytical and simulation methods to perform safety analysis. Expertise in trip parameter effectiveness, dryout and post-dryout fuel behaviour, process and safety system response under accident conditions. Products included Safety Reports, operating tolerances for use by Operations, and licensing submissions and presentations.
- Project management of the generic update of the Control Failures section of the Safety Report for Ontario Hydro's operating stations. The project was completed within the allocated 9-month period, and involved staff from 7 different units in the department.

1978 to 1986

SAFETY ANALYST, NUCLEAR SAFETY DEPARTMENT, ONTARIO HYDRO, TORONTO, ONTARIO.

- Coordinated the production of the Small LOCA section of the Darlington Safety Report. This project required technical knowledge of all safety analysis disciplines.
- Performed detailed analysis of fuel and fuel channel behaviour under accident conditions. Developed analytical and simulation models. Prepared Safety Report and AECB submissions.
- Analysis of moderator sub cooling requirements following large LOCA led AECB to approve increased moderator operating temperatures, reducing the need for operating plants to derate during periods of high lake temperature.

Education

1976 to 1978

M.A.SC. NUCLEAR ENGINEERING, UNIVERSITY OF TORONTO.

1972 to 1976

B.A.SC., DIVISION OF ENGINEERING SCIENCE (NUCLEAR AND THERMAL POWER OPTION), UNIVERSITY OF TORONTO.