Re Page B-9:

Q. Identify by reference to specific sections of amended regulations of the legislative changes which are relied upon to justify this being a mandatory project. If such sections adopt portions of the Canadian Electrical Code or other industry standards, reproduce such portions and all associated definitions or related provisions in full.

A. This project is mandatory because of the requirements of the Newfoundland & Labrador Occupational Health and Safety Regulations and the requirements of the Canadian Electrical Code.

The OH&S Regulations are scheduled to be revised in 2007, and under Section 79 of these revised regulations, it states:

> *"A worker shall wear flame resistant clothing appropriate to the risk when working in areas where he or she may be exposed to flash fires, arc flash, molten metal, or similar work hazards."*

Arc flash studies by utilities and other industries is now a common practice in industry necessary to provide normal safety practices for workers.

In addition, the Canadian Electrical Code, Section 2-306 – Shock and Flash Protection states:

> "*Electrical equipment such as switchboards, panel boards, industrial control panels, meter socket enclosures, and motor control centers that are installed in other than dwelling units and are likely to require examination, adjustment, servicing, or maintenance while energized shall be field marked to warn persons of potential electric shock and arc flash hazards."*

The Canadian Electrical Code adopts the National Fire Protection Association (NFPA) Standard to define the specific requirements for shock and flash protection calculations. The code Handbook, Appendix B, Notes on Rules, for Section 2-306 states the following:

> *"NFPA 70E-2004, Electrical Safety in the Workplace, provides assistance in determining severity of potential exposure, planning safe practices, and selecting personal protective equipment to protect against shock and arc flash hazards."*

The NFPA 70E Standard is the basis for the Canada's CSA Z462 Electrical Safety Standard which will come into effect in 2008.

The Handbook Appendix B of the Canadian Electrical Code also states:

> *"IEEE 1584-2002, Guide for Performing Arc-Flash Hazard Calculations, provides assistance in determining the arc flash hazard distance and incident energy that workers may be exposed to from electrical equipment."*

This project will be completed according to the NFPA and IEEE Standards to meet the requirements of the provincial OH&S Regulations and the Canadian Electrical Code.