

Dr. Roger Humphries, Ph.D., P.Eng.

Dr. Roger Humphries has over 40 year's experience in the international nuclear industry in the areas of nuclear safety, reactor licensing and regulation, regulatory policy development, and non-electric applications of nuclear power.

Dr. Humphries has had an on ongoing interest in small reactor design and regulation, beginning with his work on the early US Navy's nuclear submarine reactors while stationed at Naval Reactors Headquarters in the mid-1960s. Since moving to Canada in 1979 he has served as Licensing Manager for AECL, as Director General Nuclear Safety for the Department of National Defence, as a Consultant in private practice, and is currently Director, SMR and New Business Development, for Amec Foster Wheeler.

While serving as DGNS, Dr. Humphries was responsible for the development and implementation of an independent nuclear safety regulatory infrastructure for the Canadian Forces. He continued to evaluate various potential applications of small reactor technology to meet future energy needs of DND.

In his present role Dr. Humphries has been working to develop a viable small reactor industry in Canada based on today's new generation of SMRs. As part of this effort he has taken the lead in establishing the Emissions-Free Energy Working Group. The group brings together suppliers and other interested stakeholders to address high-level, technology-neutral regulatory issues that are of particular interest for SMRs, and to find solutions that are acceptable to both Industry and the CNSC. His experience on both sides of the 'regulatory interface' allow him to bring a unique perspective to this effort.

Dr. Humphries has served on the AECB's Advisory Committee on Nuclear Safety, on DND's Defence Science Advisory Board and served as Head of the Canadian delegation to NATO meetings on the cross-border impact of radioactive releases to the marine environment from military operations. In 1992 Dr. Humphries was awarded the *Commemorative Medal for the 125th Anniversary of Canadian Confederation* in recognition of his outstanding service to the Government of Canada.

Dr. Humphries earned his Ph.D. in Nuclear Engineering from the University of Michigan, has dual citizenship in the US and Canada, and is a member of the Canadian Nuclear Society and the American Nuclear Society.