

Association of Professional Engineers and Geoscientists
of the
Province of Manitoba

Early Achievement Award

presented to

ROGER G. REMPEL
B.Sc.C.E., P.Eng.

Mr. Roger Rempel received his Bachelor of Science degree in Civil Engineering from the University of Manitoba in 1991. Upon graduation he received the Doupe Memorial Gold Medal in Engineering. He was on the Dean's Honour Roll, Civil Engineering, during undergraduate years 1989-90 and 1990-91. Roger registered as a practising member of the APEGM on October 12, 1993.

Roger Rempel began his engineering career when he joined TetrES Consultants Inc. in 1990. He has continued in their employ to the present. Roger established his credentials as an environmental engineer early in his career, and was named an Associate of the firm in 2000. He is one of the firm's principal contacts for professional services to industry and regulators on air quality management.

Roger Rempel gained leading edge environmental engineering expertise in Quantitative Risk Assessment and Hazards and Operability Assessments for industry (air quality assessment, dispersion modelling) through working in a skilled team environment on challenging industrial projects (studies and engineering reports) and through attending technical seminars and courses on these topics.

Roger Rempel has extensive experience in assessing industrial emissions caused by normal plant processes, fugitive emissions, plant process upset conditions, industrial accidents, and accidental toxic releases. He has provided air quality services involving emissions (stack) sampling, co-ordination of emissions monitoring programs and complete emissions characterization to provide industry with the data necessary to make important decisions regarding emissions control strategies and emergency response planning. Software tools play a key role in risk assessment. Roger has used a large array of regulatory-approved models for assessment of industrial emissions to the atmosphere.

The Consulting Engineers of Manitoba recognized Roger in 2001. He shared the CEM Award of Excellence in Consulting Engineering: Award of Merit, Environmental Services "Corporate Risk Management for Industrial Chemical Facilities," with a colleague at TetrES Consultants Inc.

In the area of water quality assessment and water supply studies Mr. Rempel participated in the development of a series of linked mathematical computer models for simulation of combined sewer overflow (CSO) and separated sewer discharges for the City of Winnipeg. He applied a site specific Urban Land Use/Runoff Model and ran simulations considering Winnipeg's existing urban land developments and their topography along with periods of actual continuous rainfall records.

Roger Rempel's work in environmental engineering requires effective communications strategies, skills and tools. He has developed Information Management Systems (Intranet) linking offices, mobile computers and personnel across the country for clients. Roger developed one of North America's first Internet Worldwide Websites dedicated to municipal water conservation for the City of Winnipeg. He also developed the acclaimed TetrES Floodzone Website providing information on the 1997 Red River Flood Crisis.

Roger Rempel has authored/co-authored and presented four technical papers to industry, association conferences and seminars, some of which resulted in post-seminar, in-studio interviews.

Roger Rempel is an active member of the CSCE, the Air and Waste Management Association, The Fine Particle Society and the Disaster Recovery Information Exchange (Central Chapter). He is an active member of the consulting engineers' organizations in Manitoba and Canada, serving as Chair, CEM Public Relations Committee from 1999 to the present and as a member of the Organization and Creation Committee for the Awards of Excellence in Consulting Engineering. Roger has been the Manitoba Representative on the ACEC's National Communications Committee since 2000 and is an active member of the APEGM Public Awareness Committee and the Organizing Committee for National Engineering Week.

In awarding the Early Achievement Award to Roger G. Rempel, P.Eng. the Association acknowledges his significant contributions, as an environmental engineering consultant, to society and the engineering profession, in the early stages of a promising career.

March 5, 2002