



2016 Moolin Seminar – Environmentally Sustainable Construction Practices in Cold Regions

Can contractors' field techniques improve environmental outcomes of construction projects in Alaska? Two CESTiCC researchers, Drs. Robert Perkins and Larry Bennett, will present a one-day seminar that will suggest practical approaches and limitations for contractors and owners.

The notion of "sustainability" is a common theme in many aspects of life today. The recent CESTiCC report, *Sustainable Construction in Remote Cold Regions: Methods and Knowledge Transfer Strategies*, addresses some aspects of sustainability. The term implies activities that meet the needs of the present without adversely compromising the ability of future generations to meet their own needs. Applied to the design professions, a sustainable, or "green," construction project can mean one whose design, field construction and/or operation and maintenance are carried out under such an approach. Much has been accomplished in moving design philosophies in this direction; improved thermal envelopes and heating systems for buildings, water recycling, and more efficient energy use are but a few "sustainable" design considerations. In fact, the term "sustainable construction" is often popularly associated solely with design features, specifications, and material selection.

But the construction process itself offers opportunities to improve the effects of field operations on the environment. Those opportunities are the theme of this seminar, with an emphasis on applications to construction in cold regions. We'll hear from subject matter experts in such areas as jobsite solid waste management, storm water and erosion control, construction camp development and operation, fish and wildlife protection, dealing with permafrost and off-road travel, and equipment operation. We'll also hear some case studies from contractors whose sustainable field practices have been especially successful.

Many of the suggested practices will be recognized as simply common sense, and many are already in use. But by organizing the ideas into useful categories, and offering examples of their use, we hope to provide a set of practical guidelines for the construction profession. Planners, designers, contractors, project owners, and public agency personnel should find useful information at the seminar.

The family of the late Frank Moolin, chief construction engineer on the Trans Alaska Pipeline project, endowed a series of seminars about project management in Alaska. The first seminar, held in 2013, dealt with the management of mega-projects, while the second, in 2015, treated alternative methods for delivering projects other than traditional low-bid contracting. This third seminar will discuss practical methods contractors operating in cold regions can use to address the challenges of environmental responsibility. Sponsors include Associated General Contractors of Alaska, Institute of Traffic Engineers Alaska, Alaska Tribal Technical Assistance Program, American Society of Civil Engineers Alaska Section and Center for Environmentally Sustainable Transportation in Cold Climates.

Time: Monday, October 31, 2016 8 AM to 4 PM, lunch provided

Location: BP Energy Center, Birch Room, 900 East Benson Blvd, Anchorage

Price (seminar and lunch): \$150 before October 22/\$200 after October 22. \$125/175 ASPE members & students

PDH: The seminar will offer a certificate and 8 Professional Development Hours for those attending for the entire day.

Registration: Seminar registration forms can be found on the 2016 Moolin Seminar website (<https://www.regonline.com/2016moolinseminar>) or on request by e-mail (tpwardell@gmail.com).

Questions: e-mail tpwardell@gmail.com or call 1-907-980-9900