



UAA College of Engineering
UNIVERSITY of ALASKA ANCHORAGE



UAA Professional Development Seminar
Series

Improving Sanitation in Urban GER Area of Mongolia – Technical Options Study

Presented by James Crum, P.E.

Countries in cold regions with limited economies are struggling to provide sanitation improvements to individual urban homes in larger cities. Rapid

population expansion in Ulaanbaatar, Mongolia has resulted in serious sanitation problems for over half of this city's population, leading to a background study of Mongolia's social, economic, and urban growth situation, developed from two World Bank-supported engineering studies. This presentation will include a brief background about Mongolia and Ulaanbaatar (the capitol), and the related sanitation studies.

James Crum, P.E is a civil engineer and founder of CCE Engineering, international consulting company which conducts research, reviews, and evaluations of various engineering projects and products for use in cold climates. James served on the ASCE Technical Council on Cold Regions steering committees that created and is updating a Cold Climate Utilities Monograph. Prior to creating his company, James worked for 28 years as a commissioned engineering officer with the U.S. Public Health Service.

Friday, April 27, 2018
11:45 am - 12:45 pm
UAA Engineering & Industry Building
EIB 211