ASSOCIATES IN ACOUSTICS, INC.

THOMAS M. LLOYD

Responsibility: Mr. Lloyd has been a senior consultant of Associates in Acoustics, Inc. since 1998. His primary responsibilities include conducting engineering noise control surveys, data analysis, research, and design of recommendations for noise control. In addition, he conducts environmental and community noise surveys, as well as employee noise exposure assessments for both hearing conservation and regulatory compliance. He also teaches noise control and hearing conservation training seminars, which are customized to the particular needs of the client or attendees.

Education: *Bachelor of Science*, Chemistry, University of Colorado-Denver, 1997

*Bachelor of Art*s, Physics, University of Colorado-Boulder, 1979

Certification: *Approved Instructor* for the Coal Mine Safety and Health Administration in noise,
dust, and (methane) gas detection.

Experience: *Industrial Noise Control*: Prior to working for Associates in Acoustics, Inc., Mr. Lloyd had eighteen years of experience in providing noise control to government and the mining industry as a physicist with the Technical Support division of the federal Mine Safety and Health Administration. Skills developed for noise evaluation and control include data collection and analysis, recommendations for noise reduction, and design and retrofit of control devices. Applications include stationary and mobile equipment used at surface and underground mining operations across the country.

Hearing Conservation: Conducted plant noise surveys and employee exposure assessments, developed education and training material, evaluated hearing protection devices, recommended noise control methods to reduce employee noise exposure, and assisted with audiometric database evaluations.

Noise Standards: Served for three years on the committee to revise federal noise regulations for the mining industry (Part 62). These standards were promulgated in September 2000.

Industrial Hygiene: Four years of experience performing toxic material evaluations for selected mining companies to identify chemical contaminants, measure their concentration, evaluate worker exposure, and recommend remedial action to minimize the hazard. Evaluations were performed for mercury, acid mists, organic solvents, and dust particulates.