EDUCATIONAL BACKGROUND AND PROFESSIONAL EXPERIENCE

OF

JOSEPH W. ROGERS

Mr. Rogers graduated from the University of Nebraska, Lincoln in 1990 with the degree of Bachelor of Science in Mechanical Engineering. He is a registered Professional Engineer in the states of Kansas, Colorado, and Louisiana.

Since 2001, Mr. Rogers has been with Legend Consulting Group Limited and is currently an Executive Consultant. Mr. Rogers has more than twenty-five years of domestic and international consulting experience in the electric utility industry, and in engineering related to industrial utility facilities. Mr. Rogers' experience includes strategic planning, modeling, economic analysis, conceptual design, detailed design, construction, commissioning/start-up, and the performance of due diligence reviews of generating plants for project finance purposes.

In 2000 and 2001, while working for Kiewit Industrial Company, Mr. Rogers was the Lead Mechanical Start-Up Engineer for a 550 MW, natural gas-fired, combined cycle power plant. In this position he was responsible for the initial check out and start-up of equipment, start-up procedures, chemical cleaning, steam blow, and various other system commissioning activities.

From 1990 to 1998, Mr. Rogers was employed by Black & Veatch, consulting engineers. While in their employ, he was responsible for construction completion and mechanical commissioning activities for a 660 MW natural gas-fired combined-cycle power plant in Argentina, and 1300 MW of coal-fired conventional steam thermal units in Indonesia. In this capacity, he directed construction activities to support project commissioning, including the performance of engineering necessary to accomplish design modifications. Mr. Rogers has developed commissioning procedures for major generating plant systems and has supervised plant start-up and commissioning activities.

In 1996, Mr. Rogers transferred to the mechanical design department of Black & Veatch in Raleigh, NC. In this position, he performed studies and participated in design projects for utility and non-utility clients. Projects included cogeneration technology screening assessments, a review of existing powerhouse ancillary systems for an industrial client, and the review of piping drawings and completion of miscellaneous piping design issues for a new 50 MW combustion turbine and a 450,000 lb/hr heat recovery steam generator.

From 1990 through 1995, Mr. Rogers was assigned to the Power System Planning and Technical Analysis Group with Black & Veatch in Kansas City, Missouri. In this position, he conducted various system planning and feasibility studies for domestic and international clients. Activities included: technology screening and selection studies, development of utility generation expansion plans, generating system production cost simulation and analysis, and Monte Carlo reliability/availability assessments to predict plant availability and improvements attributable to proposed plant design changes.