

7. Brief Resume of Key Persons, Specialists, and Individual Consultants Anticipated for this Project

a. Name & Title:

Mr. Roy E. Adkins
President
Cryogenic Fuels, Inc.



b. Project Assignment:

Liquefied Natural Gas
Consultant

c. Name of Firm with which associated:

Cryogenic Fuels, Inc.

d. Years of experience: With This Firm 10 With Other Firms 39

e. Education: Degree(s)/Year/Specialization

B.S. Mechanical Engineering 1952

f. Active Registration: Year First Registered/Discipline

g. Other Experience and Qualifications relevant to the proposed project:

Mr. Adkins has spent most of his professional career working with cryogenic liquids, particularly liquefied natural gas. He has been associated with Beech Aircraft for 33 years, including 10 years involved in the coordination of engineering and technology demonstrations of liquefied natural gas fuel storage and fueling systems. While serving as Manager, Marketing Aerospace Cryogenics, he coordinated Beech Aircraft programs for the Gemini, Apollo, Skylab and Space Shuttle projects. At Beech Aircraft's Boulder, Colorado Division, he managed the cryogenic test facility for testing liquid fuel propulsion systems and cryogenic support equipment. Beech Aircraft's experience with liquefied natural gas began with the NASA space programs more than 30 years ago. Beech's work with cryogenics led to the development of hydrogen and oxygen tanks used on every manned NASA space flight since the Gemini program.

Areas of Work Experience

- LNG Automotive Fuel Systems, Design, and Test
- LNG Automotive Fuel Dispensers, Design, and Production
- LNG Automotive Fueling Facilities, Design, and Installation
- LNG Production and Distribution
- LNG Safety Assessment
- LNG Codes and Regulations

Education

WASHINGTON UNIVERSITY, B.S.M.E., St. Louis, MO

Experience

1987 to present - President, Cryogenic Fuels, Inc.

CEO with overall responsibility for the management of engineering, systems integration and marketing activities that must be performed to facilitate the end use of liquefied natural gas as a transportation fuel in automotive, marine, aviation, and railway systems. Specific areas of expertise include safety assessment, codes and regulations, and economic analysis of LNG production, storage, and distribution.

1956 to 1987 - Beech Aircraft Corporation

- Director of Operations, Alternative Energy Division. Responsible for the management of engineering, marketing, manufacturing, and product support functions of the Alternative Energy Division of Beech Aircraft.
- Marketing Manager, NASA Programs. Managed and coordinated the design, test and production of manned spacecraft cryogenic subsystems with NASA Headquarters and the Kennedy Space Center, Launch Operations for the Gemini, Apollo, Skylab, and Space Shuttle projects.
- Manager, Cryogenic Test Department. Managed and supervised activities of approximately eighty (80) test engineers and technicians in performing the production environmental testing of missile subsystems and components for the Atlas, Titan, Centaur and Polaris ABM Launch Vehicles.
- Design Engineer. Electrical and fluid systems for threat simulation remotely controlled missiles. Remote sensing systems design and applications analysis.

1954 to 1956 - Lear Aircraft

- Design Engineer, Aircraft Electrical Systems

1952 to 1954 - Hughes Aircraft

- Design Engineer, Missile Test and Instrumentation Systems.