

# **ROBERT A. LOUCKS**

## **EDUCATION and HONORS**

B.S. Metallurgical Engineering, 1957, Montana School of Mines  
M.ED Curriculum and Instruction, 1975, University of Houston  
Completed all course work for PhD Education, 1995, University of Denver  
Stanford Executive Program, 1980, Stanford University  
Secondary Teaching Certificate, 1985, Mesa State College (On President's List, all semesters)  
Registered Professional Engineer, States of Washington and Colorado

## **PROFESSIONAL AFFILIATIONS**

Northwest Mining Association  
Department of Interior Peer Review Group for Oil Shale

## **SUMMARY OF EXPERIENCE**

- 2003 – Present      *Senior Associate Sage Geotech, Inc.*, providing expert advice and review of oil shale retorting processes and shale oil upgrading and refining flow sheets. Prepares project plans, engineering cost estimates and project schedules.
- 2001-2003          *Project Superintendent, Shaw Construction*. Worked on site preparation and utilities for Aspen City Golf Course modifications and implemented Primavera schedules acceptable to the City.
- 1992-2003          *Project Manager, Rust Environment & Infrastructure*  
Hazardous waste characterization and remediation including preparation of Feasibility Studies and Corrective Measures Studies, site-wide ecological assessments, and Decision Documents for US Army projects.
- 1986-1992          *Teacher, Mesa County Valley School District No. 51*  
Developed and implemented a successful program to bring dropped-out students back into school.
- 1976-1986          *Vice President-Project Manager, Occidental Oil Shale Company*  
Direct responsibility for design and construction of the multi-billion dollar Cathedral Bluffs (C-b) shale oil project after Occidental Oil took a majority interest in the project and assumed management. Responsibilities included engineering, procurement and construction of mining, mineral processing, and petrochemical facilities. Supervised and approved EPC work of various major contractors, e.g., Fluor, Brown and Root and Parsons.
- 1958-1976          *Various Positions, Shell Oil Company*

Assignments included design, construction, management and maintenance of petrochemical operations at North American facilities. Included significant participation in Shell's major expansions. In 1974, Shell established a position in oil shale by buying into the Colony Project, which involved sharing in the bidding and award of Federal Prototype Oil Shale Lease Tract C-b. Shell was soon named Managing Partner and Mr. Loucks was named the overall Project Manager for the Cathedral Bluffs Project. He reported to the 4-partner Management Committee which consisted of Vice Presidents from Shell Oil, ARCO, Ashland Oil and TOSCO. Specific activities included: hiring a managing contractor; producing an Environmental Baseline Document; and producing and defending the C-b Detailed Development Plan that was approved by the DOI, initiating the on-site construction program. During this period, he was directly responsible for about 500 contract employees plus the large internal project staff.

## **STRENGTHS**

Since 1957, Mr. Loucks has actively participated in major project design and construction projects. The Occidental Oil shale project referred to above included widespread responsibility and accountability for the installation of over \$300 million of grass-roots mining facilities, as well as design of pioneering retort process, petrochemical and utilities facilities. Up to four companies were involved who relied on Mr. Loucks to coordinate the technical, financial and timing complexities of the successful project. Major environmental and socio-economic issues were successfully addressed.

Mr. Loucks has a lifelong dedication to education of our young people. He believes that an informed electorate is essential for responsible government. He has taught up to the college level and continues to volunteer daily to mentor students in mathematics and science.