

Wayne M. Buck

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Career History

May Engineering, Saginaw, Michigan 2002 -present
Consultant

Technical support for quality and capability improvement of Chinese silicon smelters.
Economic evaluation of China manufacturing costs.

Saint Gobain Performance Plastics, Beaverton, Michigan 2002-2003
Quality Department

Silicone rubber products manufacturing for medical and pharmaceutical industries. Quality improvement projects, ISO 9000 system maintenance and internal audits, raw materials testing development, peristaltic pump tube development.

Dow Corning Corporation, Midland, Michigan 1972-2002
Specialty chemicals company, the global leader in silicones.

Associate Process Consultant 2000-2002

Technical consultant for large volume silanes and specialty intermediates. Responsible for technology reviews, process troubleshooting, process economics.

Technology Center Manager and Process Engineering Leader 1995-1999

Management of technology development, capacity planning, and capital spending for 10 major and 25 minor intermediates. Resources utilized included 15 people and an average of \$20 million/year capital. Direct responsibility for 3-5 process engineers. Led 2 Safety Audit teams for new capital projects.

Silicon Quality/Technical Team Leader and Senior Process Engineering Supervisor, Silicon Process Engineering 1991-1995

Leader of 5 member Silicon Quality/Technical team responsible for cost reductions in basic silanes manufacturing process. Team was the technical interface with 5-7 companies supplying over \$100 million/year of silicon. Managed 7-10 person shift at \$25 million closed furnace silicon demonstration smelter. Economic evaluator for silicon management team that negotiated several multi-year supply contracts for >80% of silicon demands.

Senior Engineering Supervisor, Silicon Process Engineering 1986-1990

Supervision of 3-10 engineers and technicians in the development of new process technology for the manufacture of metallurgical silicon. Leader or member of 3 safety audit teams for new capital projects.

Engineering Supervisor, Specialty Intermediates Process Eng. 1981-1985

Supervised 5-10 chemical engineers and technicians engaged in process development for organofunctional silanes.

Building Superintendent, Specialty Chemicals Manufacturing 1977-1980

Led 8 person team responsible for 5 process trains producing 12 highly leveraged intermediates.

Chemical Engineer, Development Engineer, Process Eng. 1973-1976

Development of process technology for silicone rubber base and rubber dispersions.

Education/Training

B.S., M.S. Chemical Engineering 1971, 1973
South Dakota School of Mines and Technology

Company Sponsored Training
ISO 9000 Methodology and Auditing
Statistical Process Control
HazOp

Military Service

US Army Reserve 1973-1980
Captain, 4/38 Field Artillery Bay City, MI