



## MIDLAND ENGINEERING, LTD.

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Midland Engineering, Ltd.

### GARY L. STREET

#### SUMMARY OF EXPERTISE

- Vice President – Process Engineering – Midland Engineering
- Thirty plus years of broad-based engineering and management experience with The Dow Chemical Company.
- Extensive experience in chemical process design, chemical process improvement, environmental engineering and project management.
- Experienced in Competitive Assessment, aimed at understanding a competitor's manufacturing practices.
- Expertise in applying computer skills to real world problems.

#### AREAS OF ACCOMPLISHMENT

- Co-founder and Vice President of Midland Engineering, Ltd. The firm does engineering consulting for the chemical process industries and related fields in the areas of Process Engineering, Safety and Loss Prevention, High Purity Water, Project Management and Process Control.

#### ENGINEERING AND ENGINEERING MANAGEMENT

- **Vice President** of Midland Engineering. Primary contact for all Process Engineering done by Midland Engineering. Assignments have included pharmaceuticals, plastics, agricultural chemicals, ethanol production, and competitive assessments.
- **Technology Director** for Membrane Manufacturing, FilmTec Corporation (a wholly owned subsidiary of Dow Chemical). Managed all aspects of technology development for manufacturing plants in Minneapolis and Nakskov, Denmark. Coordinated manufacturing with research and development.
- **Director of Engineering** for Dow Environmental, Inc. (formerly AWD Technologies), a start-up environmental engineering venture. Established comprehensive engineering practices for the corporation.
- **Section Manager** for Process Engineering. Supervised twenty engineers responsible for process design and plant improvement including facilities for absorbent polymers, pharmaceuticals, oxides and oxide derivatives. Designs consistently met all capital, schedule and operability goals.
- **Section Manager** for Brine Chemicals. Supervised eleven engineers providing production support engineering (manufacturing improvement and process engineering) for Brine Chemicals Manufacturing.
- **Process Engineering Project Manager.** Led design of several large scale manufacturing facilities, many of which were "first of a kind". Projects completed on time and within budget. Plants achieved design capacity on schedule.

#### BUSINESS MANAGEMENT

- Managed Operations Planning for Dow Chemical's Michigan Division including Economic Evaluation, Capital Planning and Production Planning.

## PROFESSIONAL WORK EXPERIENCE

### Midland Engineering, Ltd.

- **Vice President**, Process Engineering 1996 – Present

### The Dow Chemical Company, Midland, Michigan

- |                                                                                   |             |
|-----------------------------------------------------------------------------------|-------------|
|                                                                                   | 1965 - 1995 |
| • <b>Technology Director</b> , Membrane Manufacturing (FilmTec, a Dow subsidiary) | 1991 - 1995 |
| • <b>Engineering Director</b> , Dow Environmental (formerly AWD)                  | 1988 - 1991 |
| • <b>Manager</b> , Operations Planning                                            | 1985 - 1988 |
| • <b>Section Manager</b> , Process Engineering                                    | 1983 - 1985 |
| • <b>Section Manager</b> , Brine Chemicals Engineering                            | 1980 - 1983 |
| • <b>Project Manager</b> , Energy Management and Control                          | 1978 - 1980 |
| • <b>Group Leader</b> , Process Engineering                                       | 1974 - 1978 |
| • <b>Senior Process Engineer</b>                                                  | 1971 - 1974 |
| • <b>Process Engineer</b>                                                         | 1965 - 1971 |

## EDUCATION AND PROFESSIONAL REGISTRATION

- |                                           |                                   |      |
|-------------------------------------------|-----------------------------------|------|
| • <b>M.S.</b> Chemical Engineering        | Ohio State University             | 1964 |
| • <b>B.S.</b> Chemical Engineering        | Michigan Technological University | 1962 |
| • <b>Registered Professional Engineer</b> | State of Michigan                 |      |

## PROFESSIONAL

- Co-authored, (with F. Aerstin), Applied Chemical Process Design, a textbook extensively used by both industry and universities, with sales of nearly 10,000 copies.
- Lecturer, American Institute of chemical Engineer, Today Series. Two-day seminar “Preliminary Process Design” presented in Philadelphia, Houston, Atlanta and Midland (with F. Aerstin and D. Camp).
- Chemical Engineer of the Year, 1980, American Institute of Chemical Engineers, Mid-Michigan Section.

## AFFILIATIONS

- Member of the American Institute of Chemical Engineers (since 1962)