

Biography For Edwin T. Bennett



Ted Bennett joined [Barringer & Associates, Inc.](#) as a Reliability Engineering Instructor on April 1, 2006 after retiring from the Dow Chemical Company, Texas Operations, Freeport Texas, where he served in Reliability and Maintenance roles for 27 years. Responsibilities at Dow Chemical included direct financial responsibility for maintaining chemical plant facilities, implementing reliability and maintenance tools and techniques as well as supervising and mentoring reliability practitioners. Responsibilities at Barringer & Associates, Inc. include instruction in [Reliability Engineering Principles](#), [SuperSMITH Weibull/Visual software](#), [Life Cycle Cost](#), and [Process Reliability](#) along with reliability modeling and other reliability studies.

Ted's experience includes:

- **Reliability Manager for Texas Operations** involved the hiring of new college graduates into a company reliability engineer training program that consisted of understanding failure data, analysis of data using the WinSMITH Weibull™ software, root cause analysis, and failure modes and effects analysis. After completion of the 14 month program these engineers were assigned to production units in the role of reliability engineers.
- **Special Project Reliability Manager** at a specialty polymer plant that was experiencing high cost of operations and less than acceptable mechanical performance. Using techniques learned during attendance at Barringer's Reliability Engineering Principles Seminar, the reliability team was able to improve production throughput by 14% and reduce maintenance spending by 10% during the 18 months of the project.
- **Work Process Discipline Leader in the Global Maintenance Technology Center** with responsibility for developing and updating the maintenance work process discipline for supporting capital projects. Components of the discipline include steps to develop maintenance objectives for the projects, building reliability into the design, and insuring all data and spare parts are entered into a maintenance management system before the project is returned to operations.
- **Maintenance Superintendent** for two production facilities, where he was responsible for the supervision of 8 professional staff members and a maintenance work force of 45 including both union craft personnel and contingent contract labor.
- Other assignments included **Department Head** for the Lubrication, Vibration and Machinery Performance Group, facilities engineer in a fabrication shop, and non- destructive testing engineer.

Education:

- United States Military Academy at West Point, BS

Military experience includes:

- Field Artillery Officer with a 155 MM Self-Propelled Howitzer Battery
- Helicopter Pilot and Maintenance Test Pilot
- US Army Reserve Officer retiring with the rank of Lieutenant Colonel in 1994

Technical society membership and participation:

- American Society of Mechanical Engineers
- American Society for Quality – Certified Reliability Engineer 1993-1999
- Certified Maintenance and Reliability Professional – Society of Maintenance and Reliability Professionals
- Member of the Process Equipment Reliability Database Subcommittee, Center for Chemical Process Safety, AIChE

Technical Papers Presented at:

- WinSMITH Weibull™ Users Conference at SAE, Detroit MI
- Reliability Management Institute, Arizona State University
- Process Industry Reliability Conference, Houston, TX

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