

**Laney H. Bisbee, P. E.**  
Technical Director

**Education**

Ph.D. Candidate, Metallurgy, University of Wales, Swansea  
B.S., Materials Science and Engineering, University of North Carolina

**Professional Associations**

Certified, American Society for Nondestructive Testing, Level III in Ultrasonics and Magnetic Particle Testing

Registered Professional Mechanical Engineer, North Carolina, #11218

Registered Professional Engineer, Virginia, #015812

Tau Beta Pi, Engineering Honorary Fraternity

Student Award, American Society for Testing Materials

**Professional Experience**

1993 to present	Structural Integrity Associates, Rockville MD Technical Director
1984 - 1993	Failure Analysis Associates, Inc. Managing Engineer, Corporate NDE Manager and Manager of Power Plant Engineering Services
1980 - 1984	Duke Power Company Maintenance Engineer
1980 - 1981	Rainbow Metals, Inc. Laboratory Manager
1977 - 1980	Combustion Engineering, Inc. Research Engineer

**Summary**

Mr. Bisbee has been involved in the failure analysis of process and power generation systems and equipment since 1977. He has experience in field inspection and engineering evaluation enabling him to provide condition assessment of fossil and nuclear power plant components along with advanced nondestructive examination applications for power plant components. He has extensive experience in application of related Codes and Standards for power plant operation and maintenance, with particular emphasis on inspection, defect assessment and repair Codes including weld procedures and welder qualification specifications. Mr. Bisbee's areas of expertise also include strain gage measurements and experimental stress analysis; optical, scanning, and transmission electron microscopy; nuclear power station welding program development and implementation; vibration program development and implementation; maintenance of steam turbines, pumps, valves, and compressors; aerospace materials reprocessing and analysis; and vacuum melting technology.

Mr. Bisbee has published widely and has been an invited lecturer at conferences on plant life extension. At Structural Integrity, Mr. Bisbee continues to supply the broad-based metallurgical failure analysis and component assessment services, which he has developed and provided to the power industry for the past two decades.

**Current and Recent Clients for Professional Services**

**Laney H. Bisbee**

1. Venerable, Baetjer, and Howard / Hardy v. Westvaco (evaluation of pressure vessel failure--  
named expert)