

Wendy L. Weiss
Consultant

Education

M.S., Materials Science and Engineering, The University of Texas at Austin, Austin, TX, 1991.
B.S., Materials Science and Engineering, New Mexico Institute of Mining and Technology, Socorro, NM, 1990.

Professional Experience

2002 to present	Structural Integrity Associates, Austin, TX Consultant
1992 to 2001	Mechanical & Materials Engineering (formerly Radian), Austin, TX Materials Engineer
1990 to 1991	The University of Texas at Austin, Austin, TX Graduate Research Assistant
Summer 1990	Los Alamos National Laboratory, Los Alamos, NM Graduate Research Assistant
1987 to 1990	New Mexico Institute of Mining and Technology, Socorro, NM Laboratory Technician

Summary

Ms. Weiss conducts both laboratory and on-site failure and metallurgical analyses on a variety of components at diverse facilities including chemical, petrochemical, refinery, pulp and paper, utility, heavy manufacturing, food, cement, specialty chemical, and manufacturing establishments. Such analyses range in scope from determining the failure mode of a component to root cause failure determinations. Ms. Weiss also provides assistance in materials evaluation and selection, which includes answering questions about materials choices for specific components and recommending materials to help manage corrosion problems. Ms. Weiss has also worked on broader materials evaluation projects, such as assessing failure modes in fiber-reinforced plastic materials, which was part of a study on the failure of natural gas vehicle fuel cylinders.

Ms. Weiss has worked on several risk management related projects, including the INGAA/GRI Volume V Risk Management Program Guidelines for Natural Gas Pipelines and the risk analysis portion of the Joint Risk Assessment Quality Team risk management annotated outline and standard. She has also worked on the Inert Base Gas Risk Assessment project, where she has provided technical support and written portions of reports. Most recently, Ms. Weiss has been working on API Risked Based Inspection (RBI) projects in the chemical and refining industries. Her role in these projects includes collecting and assimilating fixed equipment and piping data and participating in process, materials and corrosion overviews for various units.

Clients for Professional Services
Wendy Weiss

1. Woods & Aitken for Nebraska Boiler Company: Performed root cause failure analysis and deposited as expert witness regarding design issues relative to boiler tube failures.