

5th Annual Symposium, Mary Kay O'Connor Process Safety Center "Beyond Regulatory Compliance: Making Safety Second Nature" Reed Arena, Texas A&M University, College Station, Texas October 29-30, 2002

## Implementing API RP 580 Risk Bbased Inspection

J. Alderman Risk, Reliability and Safety Engineering 2525 S. Shore Blvd., Suite 206 League City, TX 77573, USA Phone: (281) 334-4220

ABSTRACT

e-mail: john@rrseng.com

API RP 580 Risk-Based Inspection was recently issued in the spring of 2002. This recommended practice provides the basic elements for developing and implementing a Risk-based Inspection (RBI) program.

This paper will provide an introduction to the background and benefits of RBI as a tool for improving equipment reliability and managing asset integrity. The paper will cover the elements, data and resources necessary to implement a risk-based inspection program and how risk-based inspection fits into an overall plant mechanical integrity program.















































































