Analysis of Pressure Relief System Deficiencies

Zubin Kumana
Abdul Aldeeb

Operations Intelligence & Safety
Siemens Energy, Inc.
4615 Southwest Freeway, Suite 900
Houston, TX 77027
zubin.kumana@siemens.com

Abstract

At the completion of a pressure relief system design audit, the findings of the study indicate the problem areas and deficiencies identified using the best practices in place at the time of the study. This paper will present the collected findings of a large number of pressure relief system design audits on various refinery/downstream process units, and show typical breakdowns of findings based on the process unit type. Additionally, the findings will show a breakdown of findings over time, showing the performance of the industry as understanding and best practices have evolved.

Keywords: PRA findings, trends, statistical analysis